

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

1/37

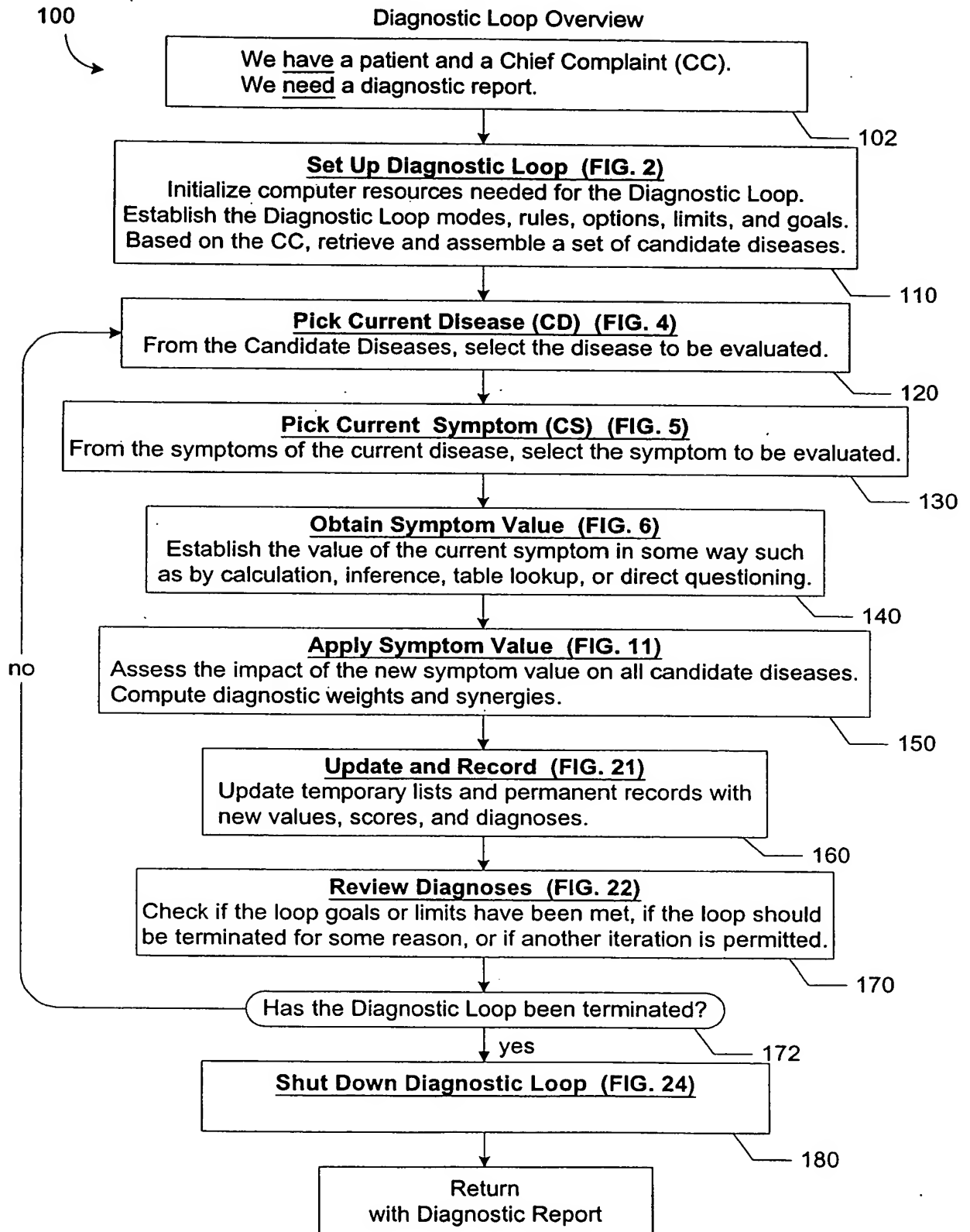


FIG. 1

2/37

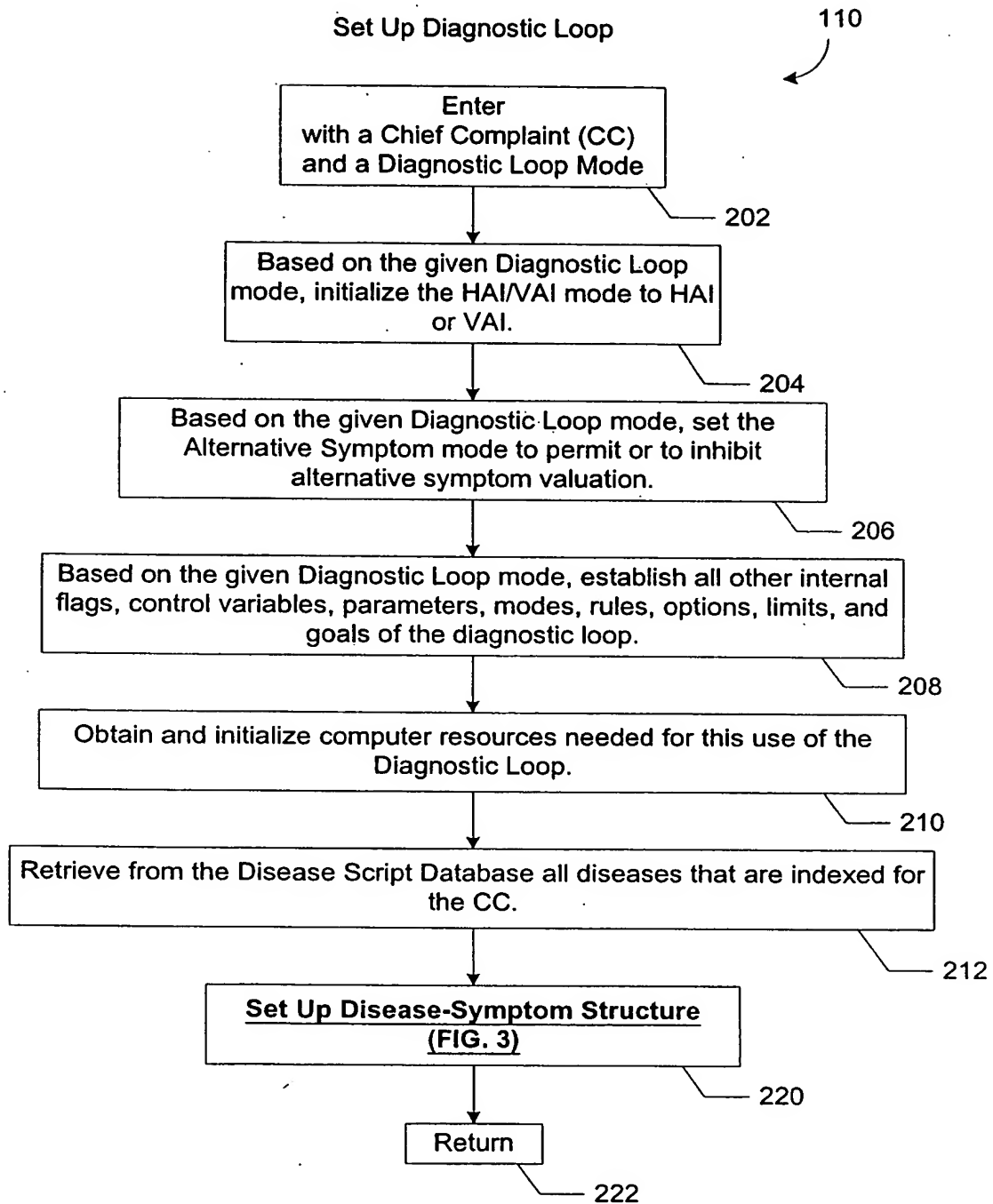


FIG. 2

3/37

Set Up Disease-Symptom Structure

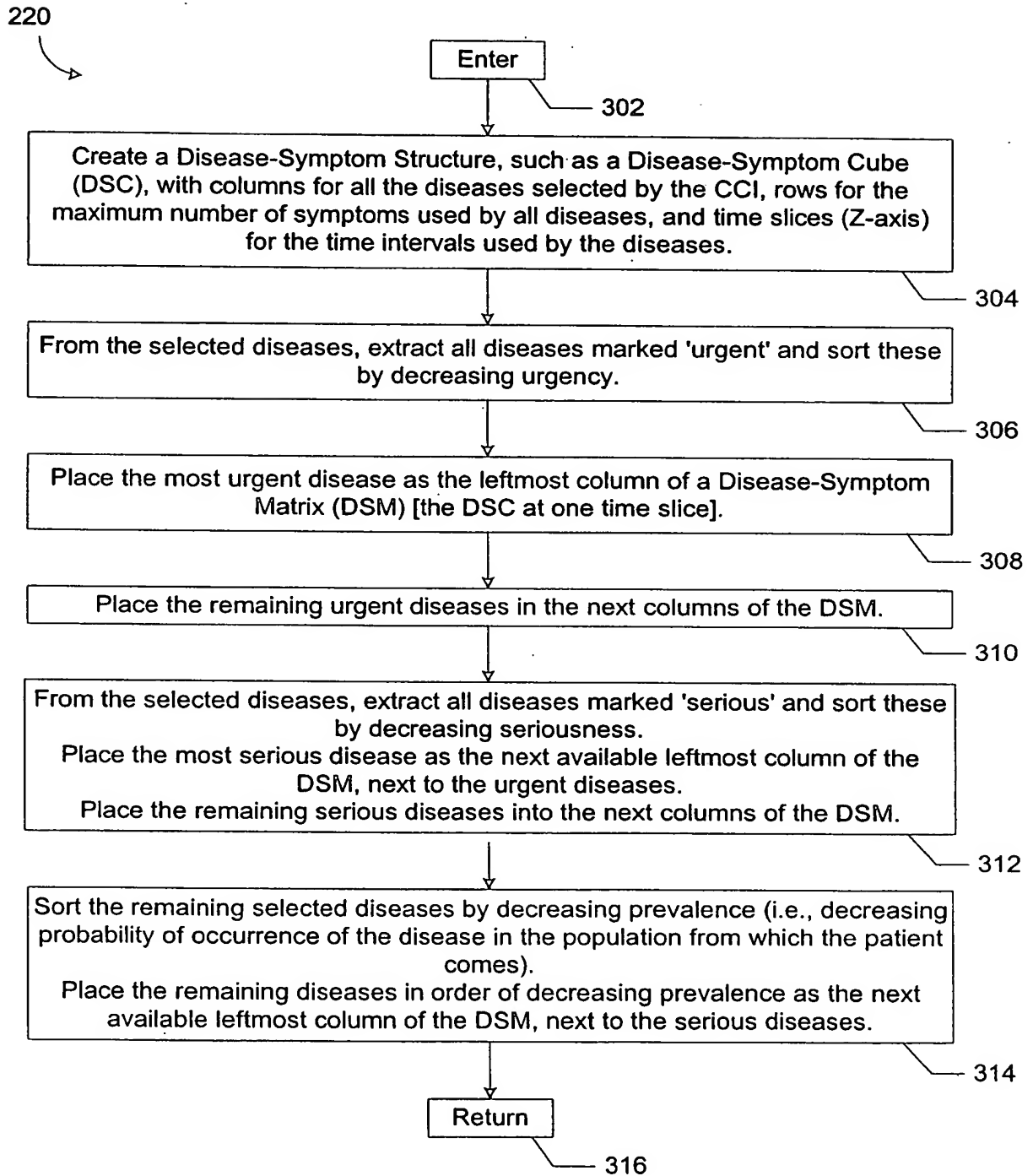


FIG. 3

4/37

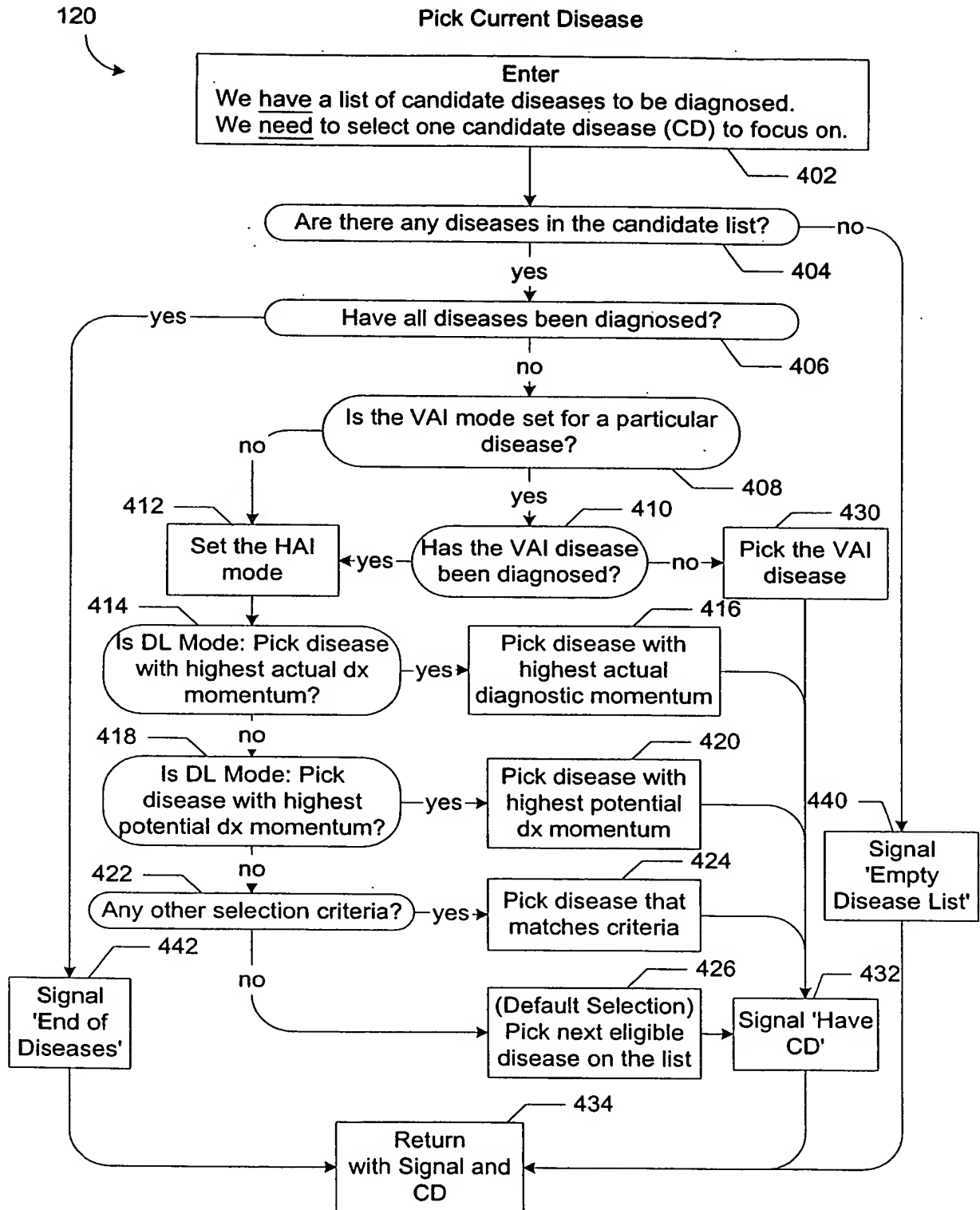


FIG. 4

5/37

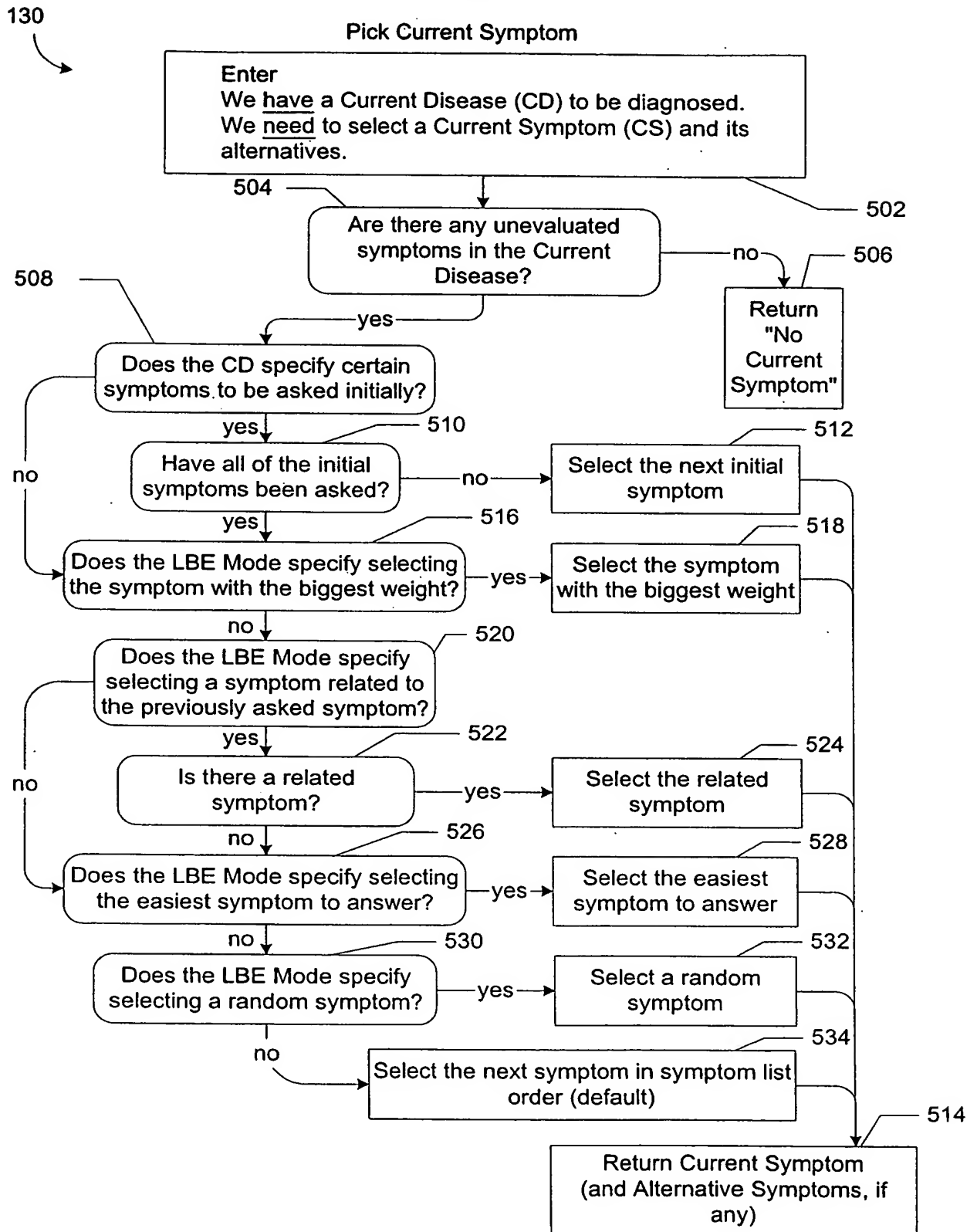
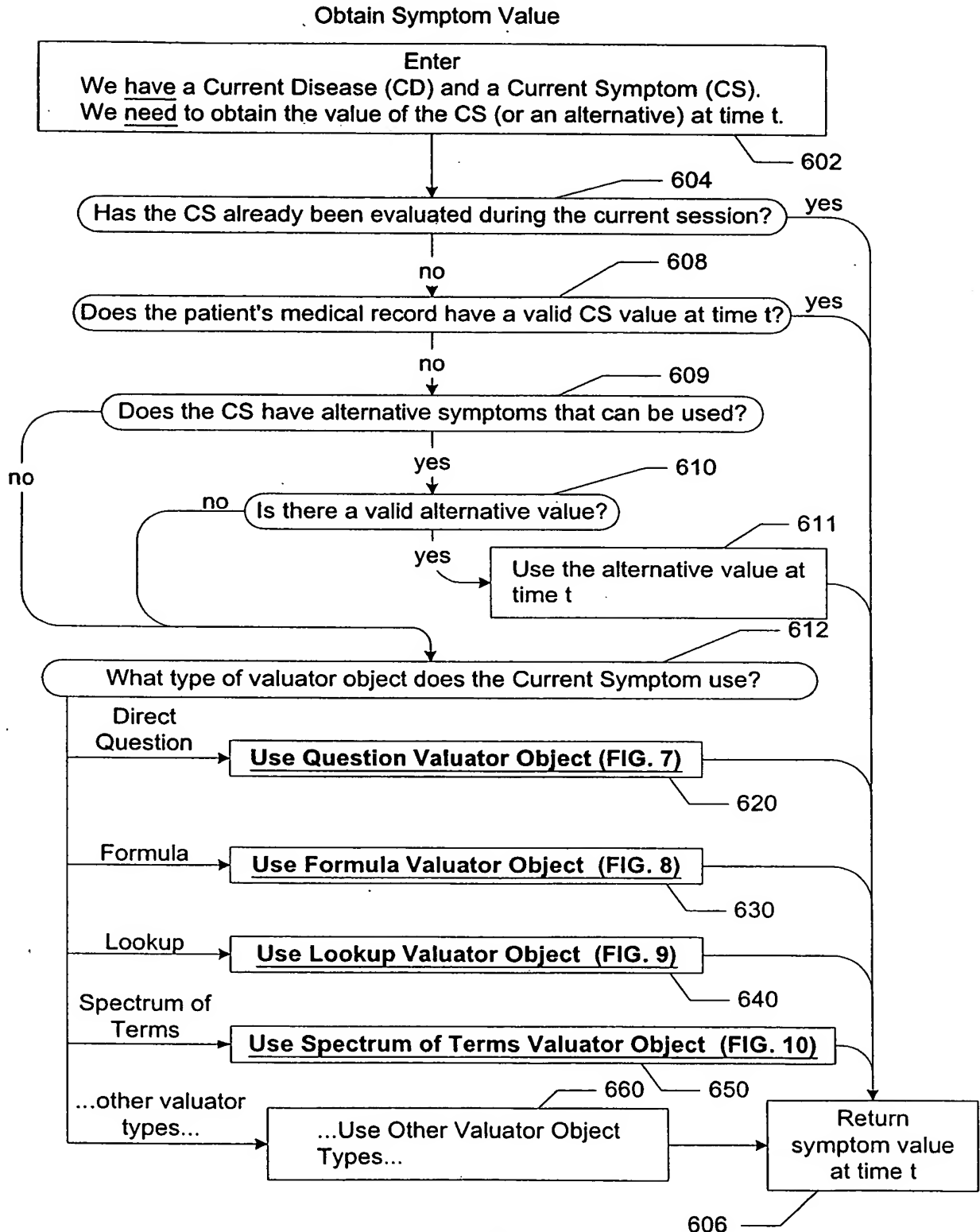


FIG. 5

140

6/37



7/37

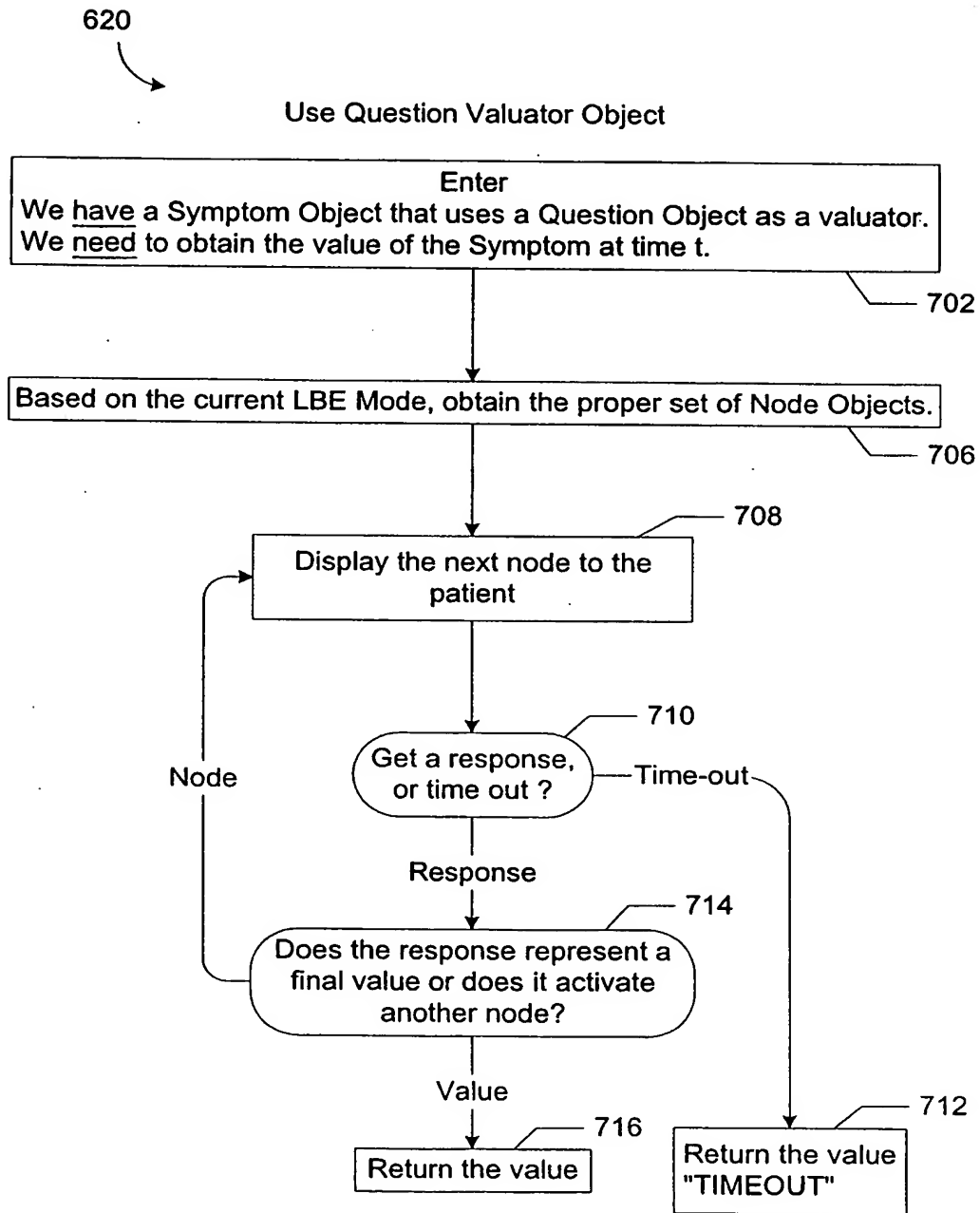
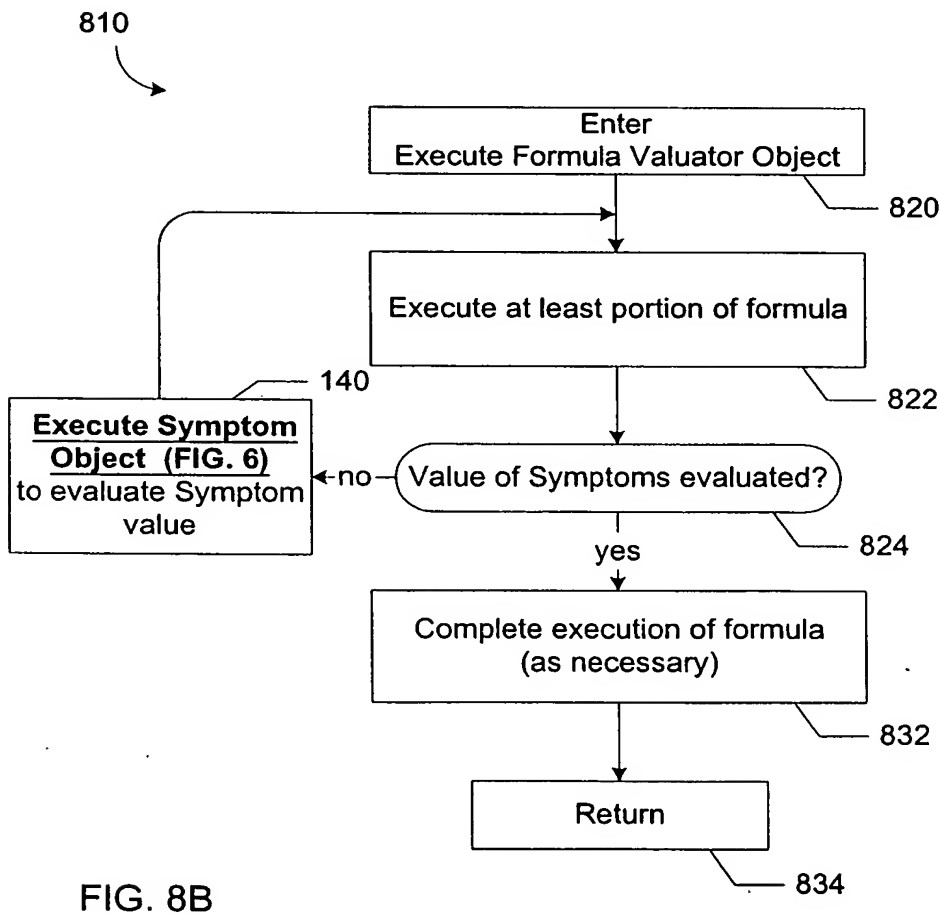
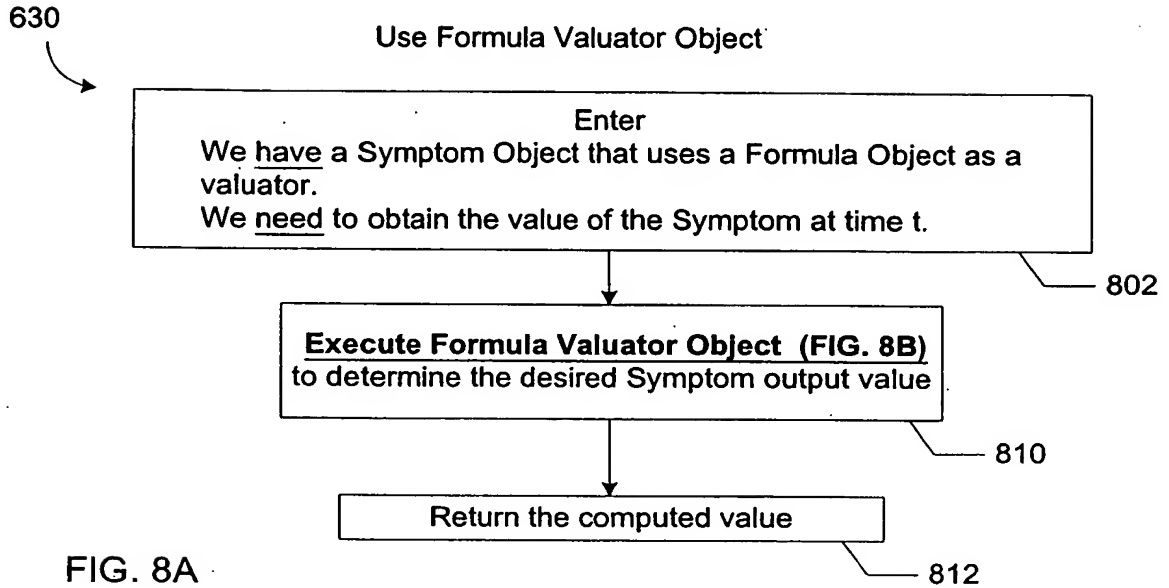


FIG. 7

8/37



9/37

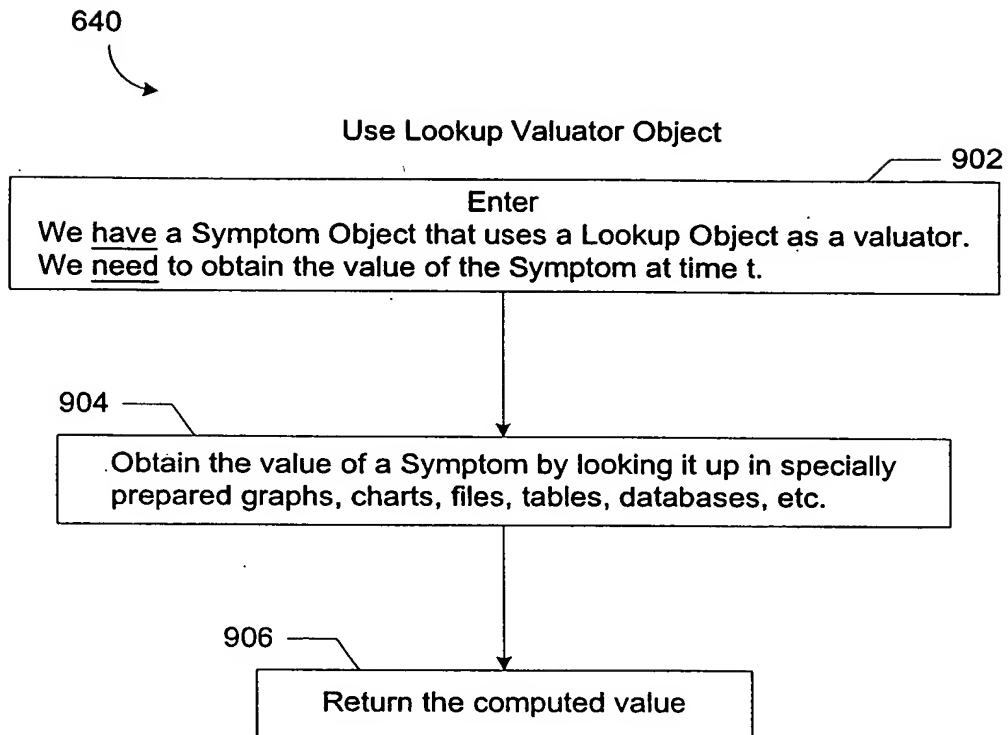


FIG. 9

10/37

Use Spectrum of Terms Valuator Object

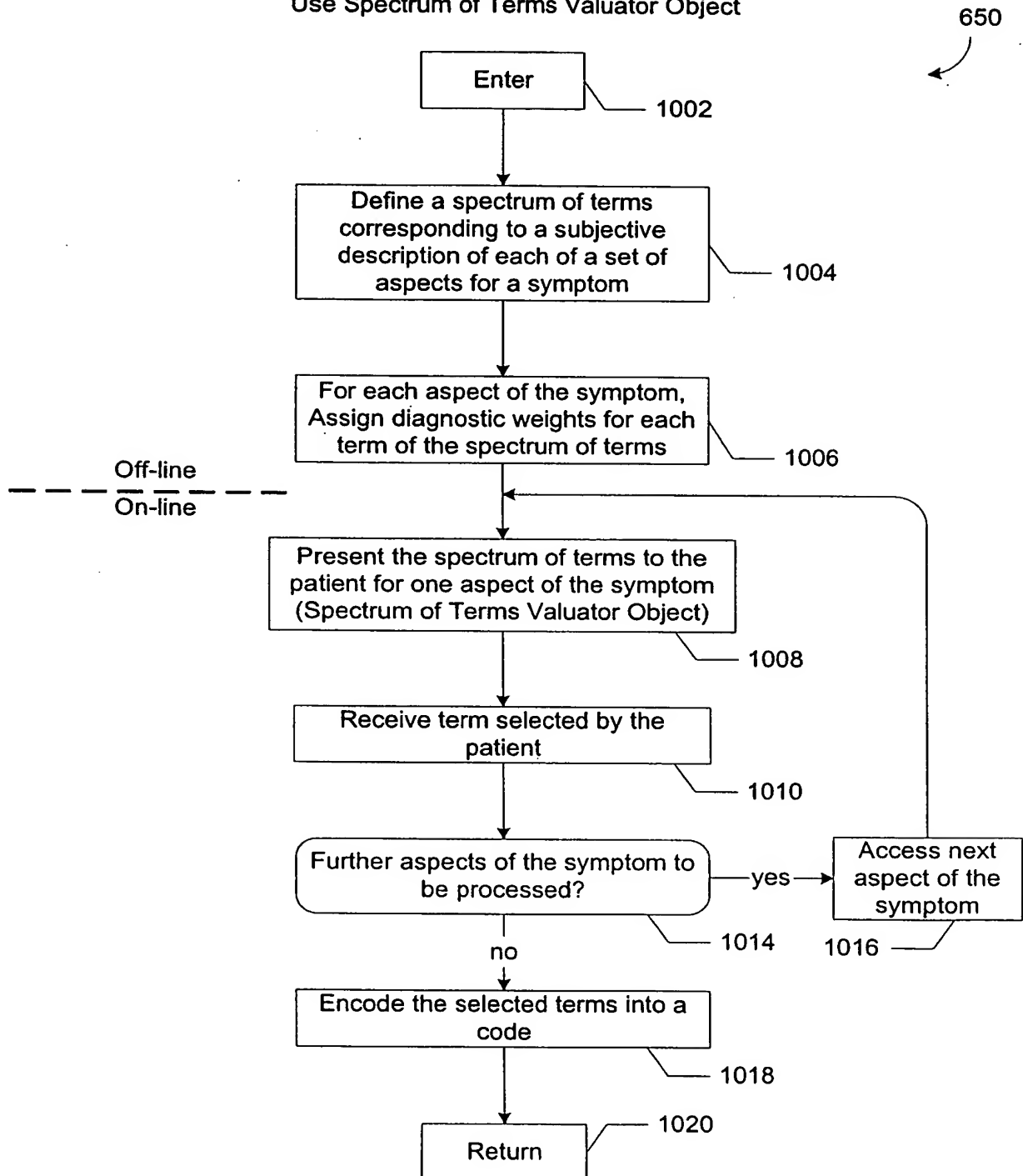


FIG. 10

11/37

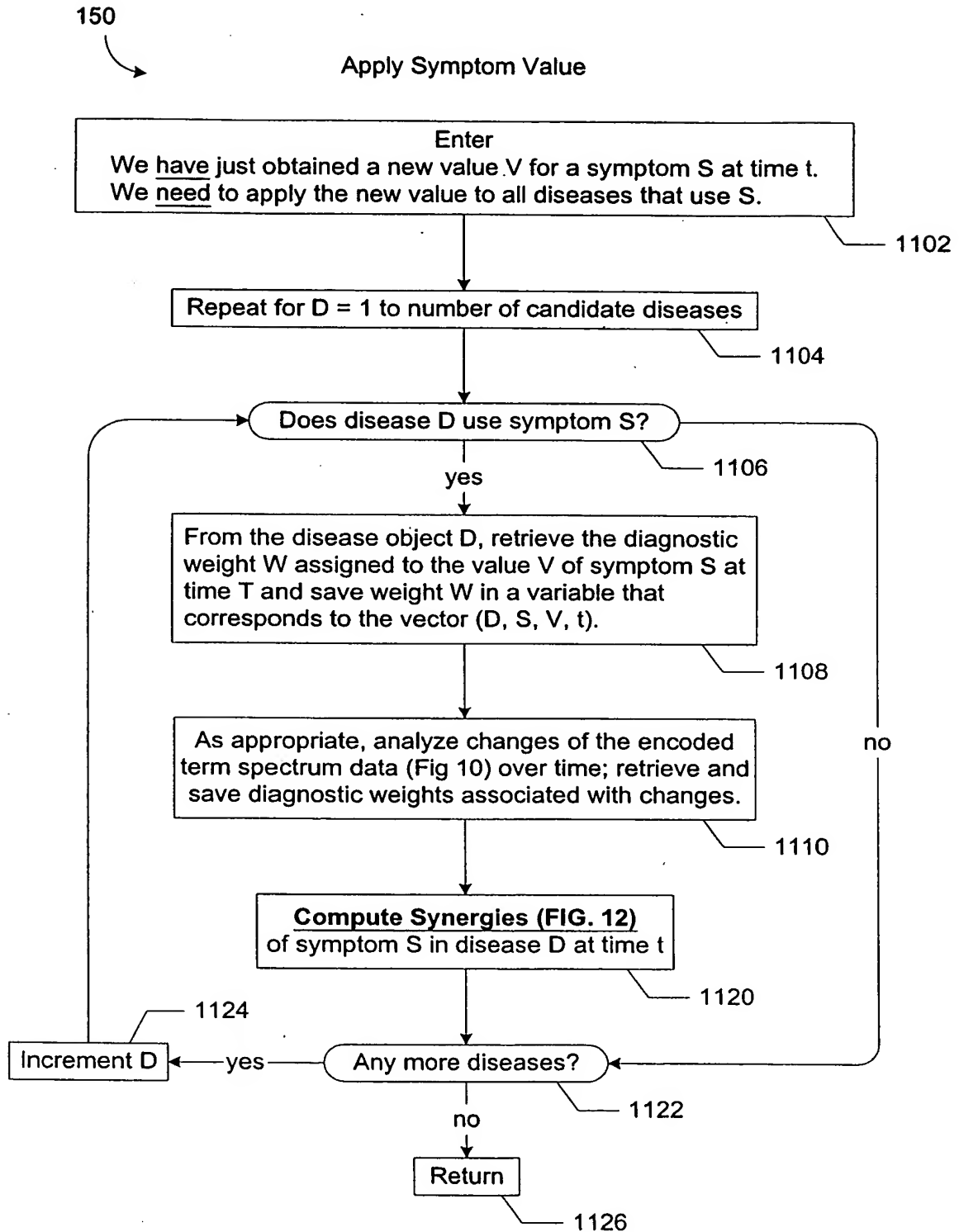


FIG. 11

12/37

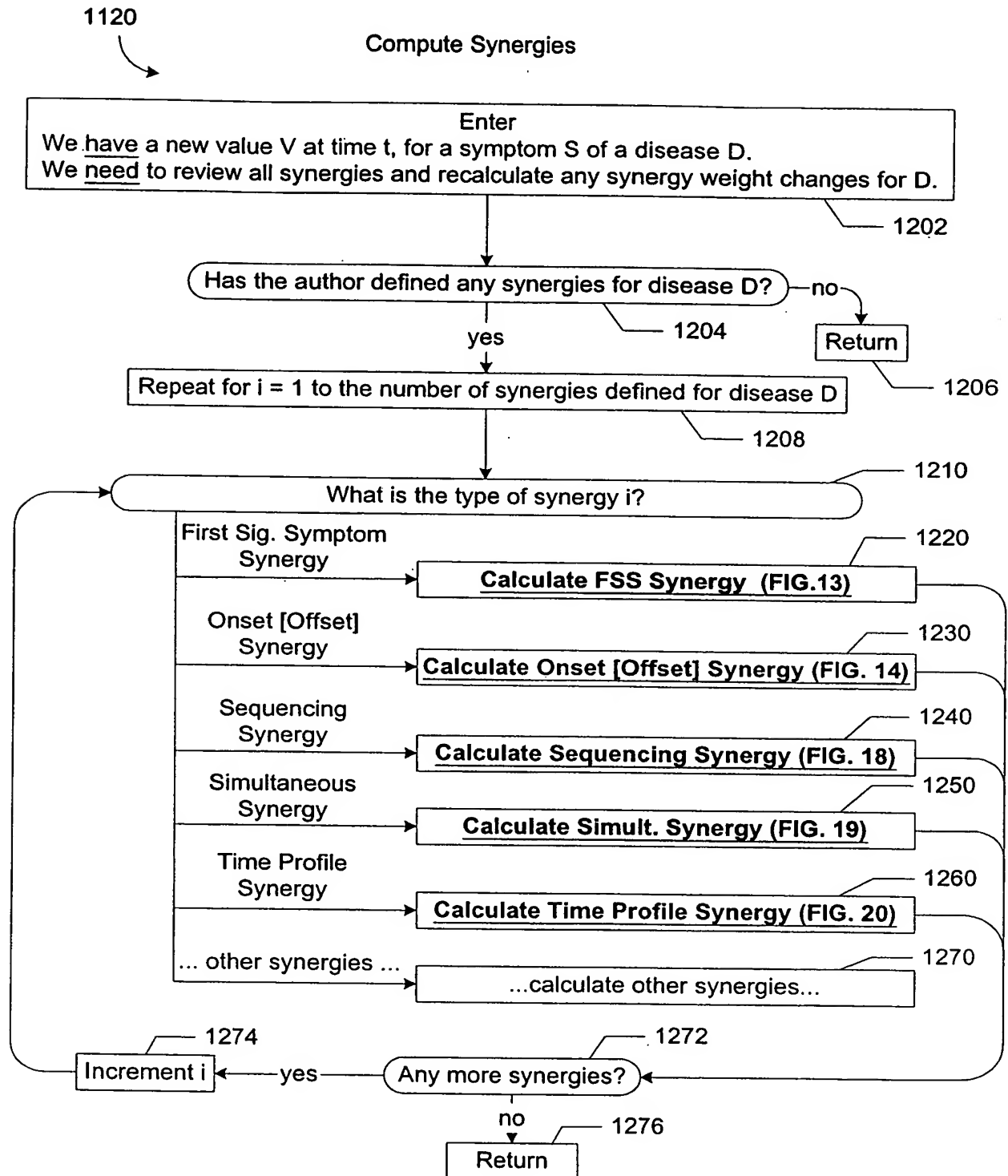


FIG. 12

13/37

1220

Calculate First Significant Symptom (FSS) Synergy.

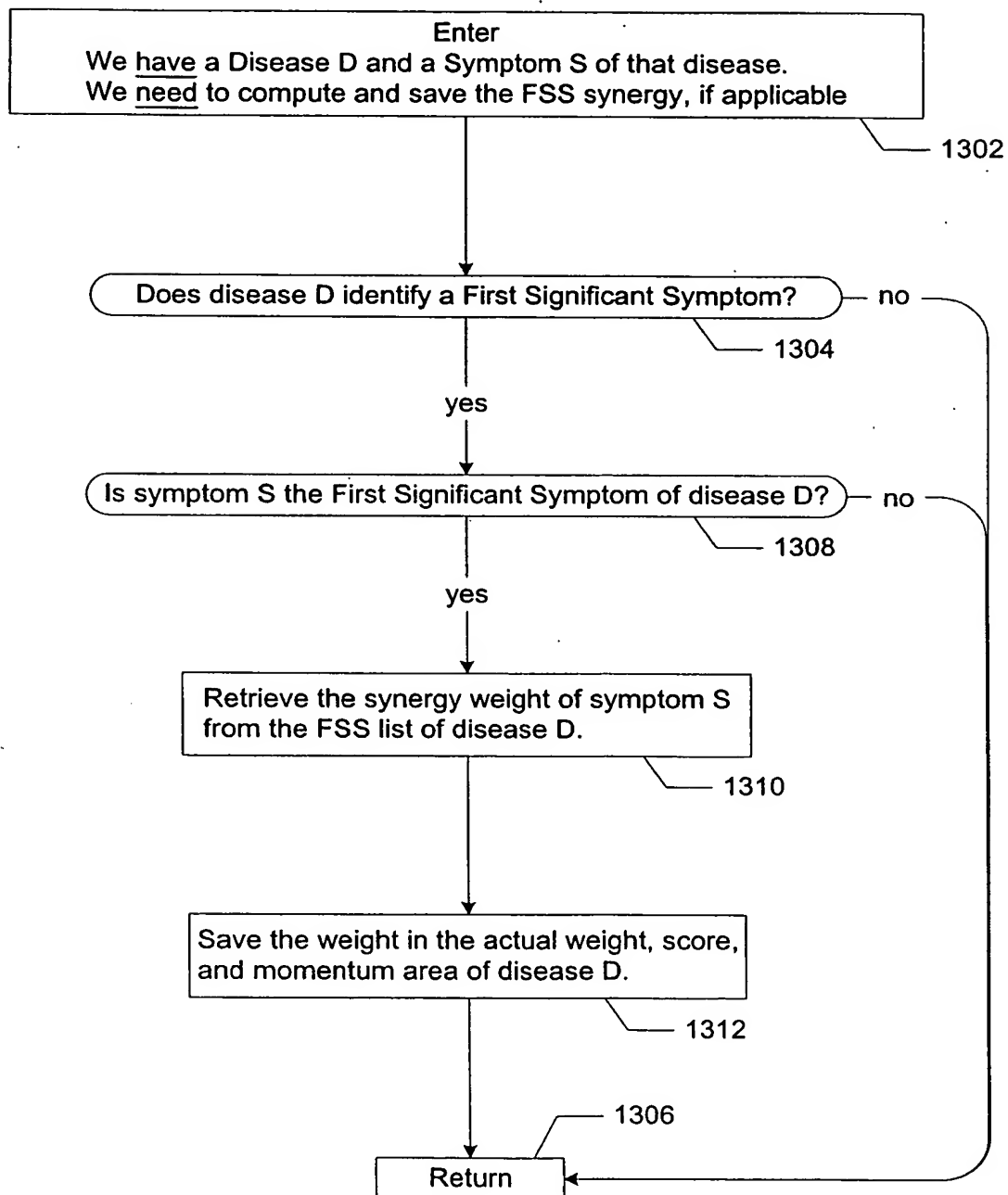


FIG. 13

14/37

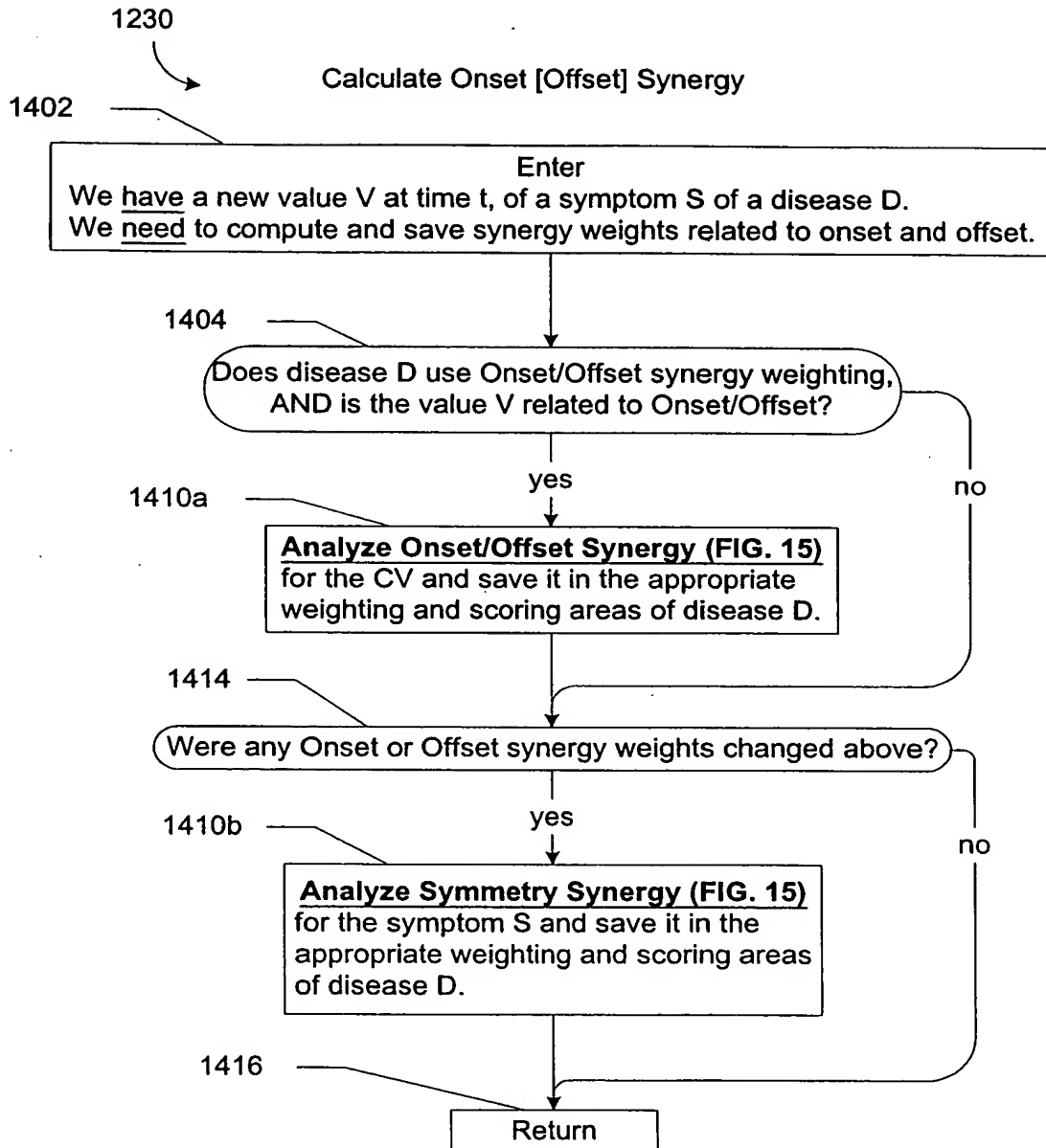


FIG. 14

15/37

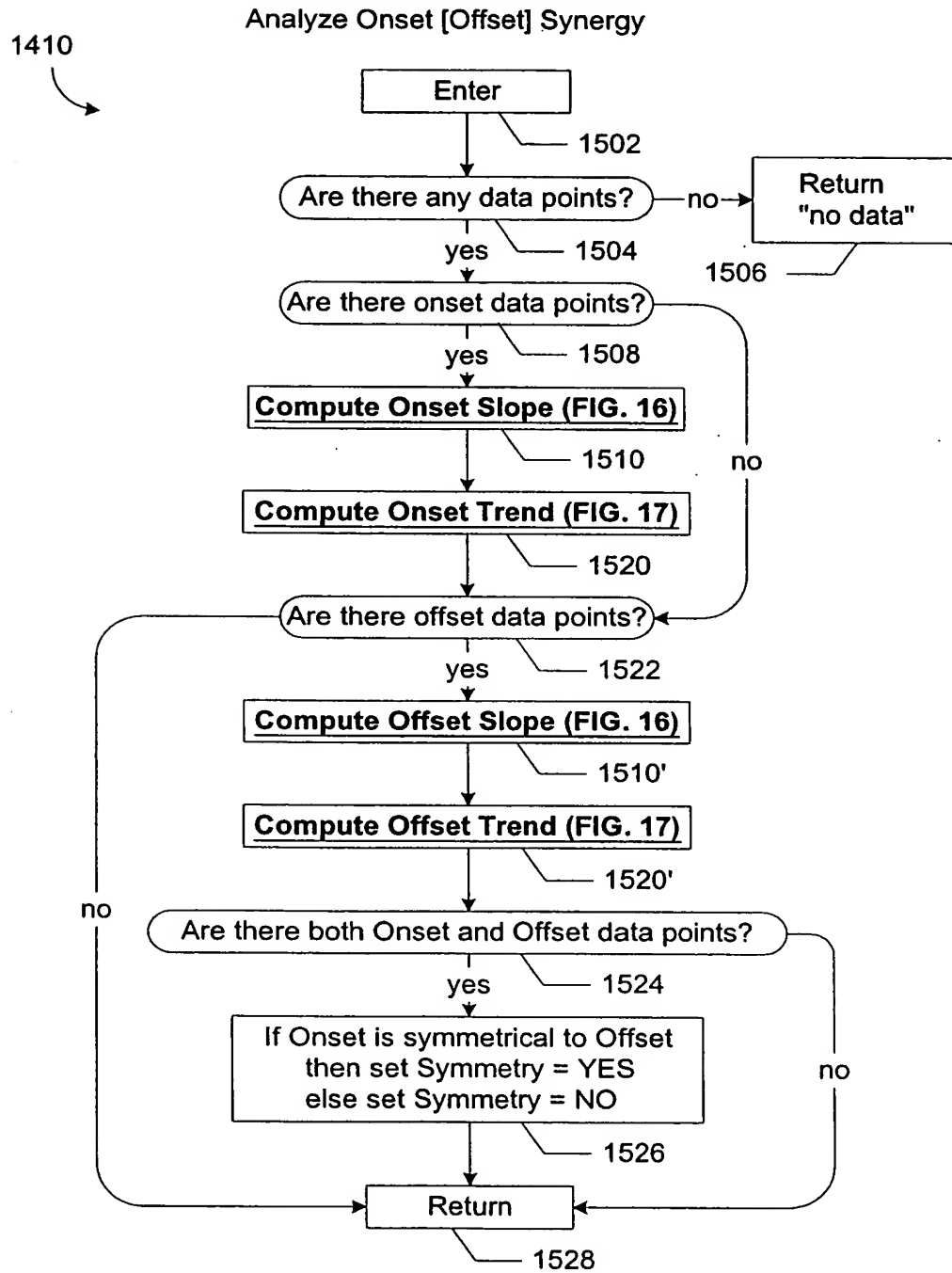


FIG. 15

16/37

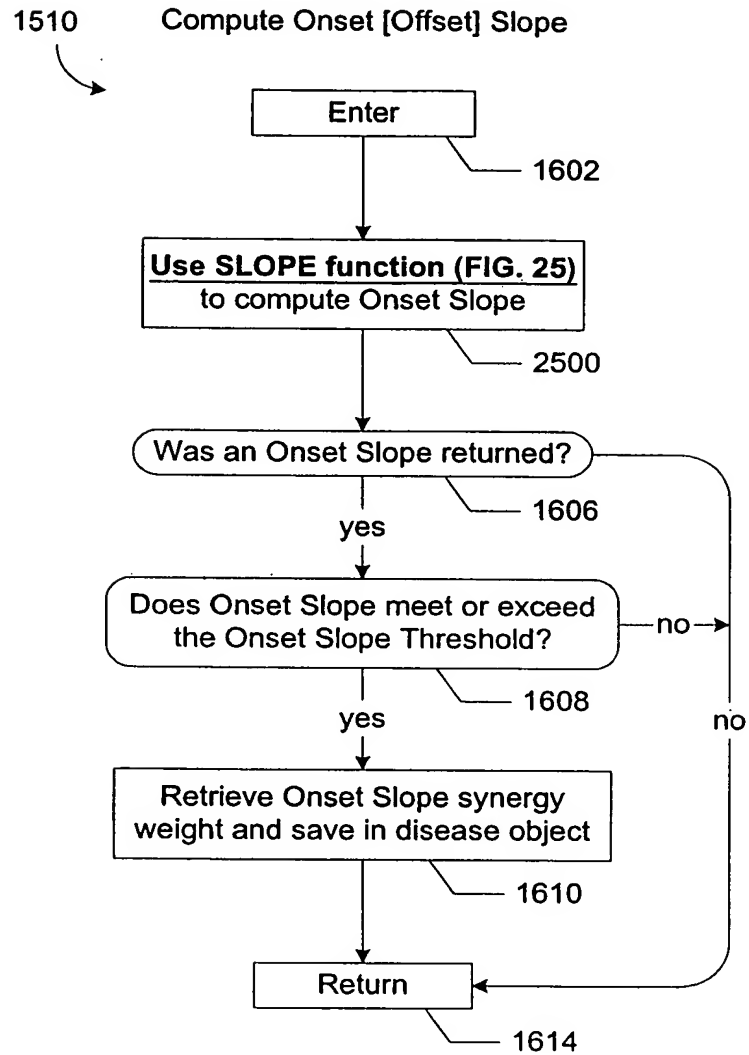


FIG. 16

17/37

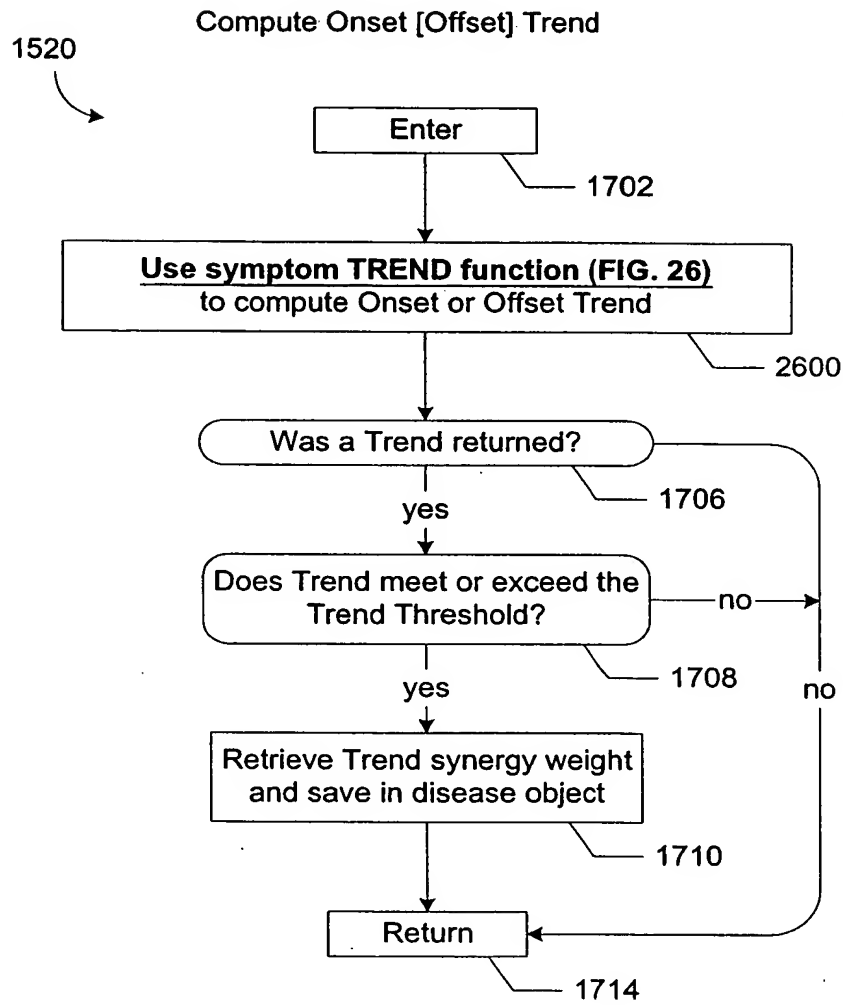


FIG. 17

18/37

1240

Calculate Sequence Synergy

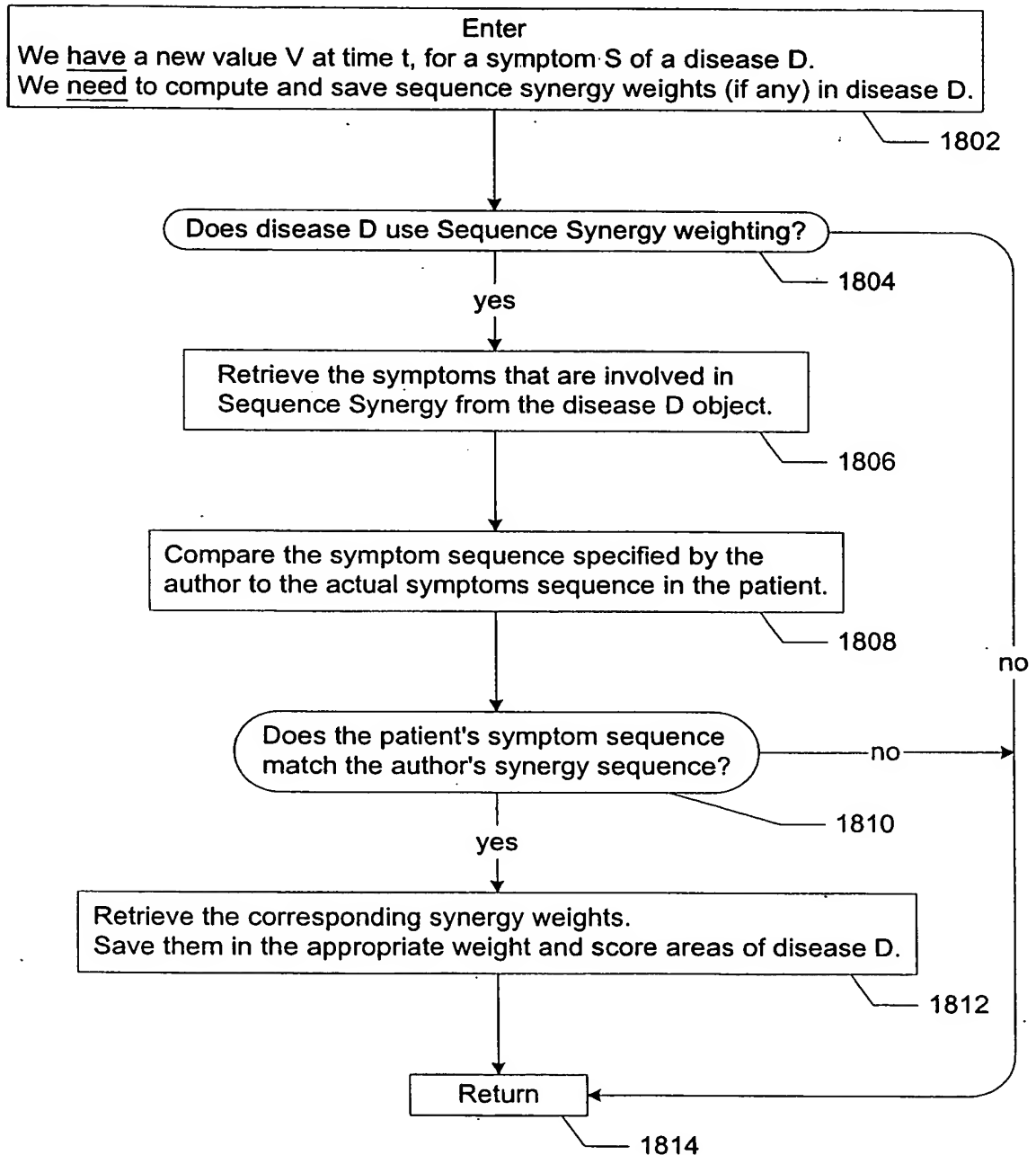


FIG. 18

19/37

1250

Calculate Simultaneous Synergy

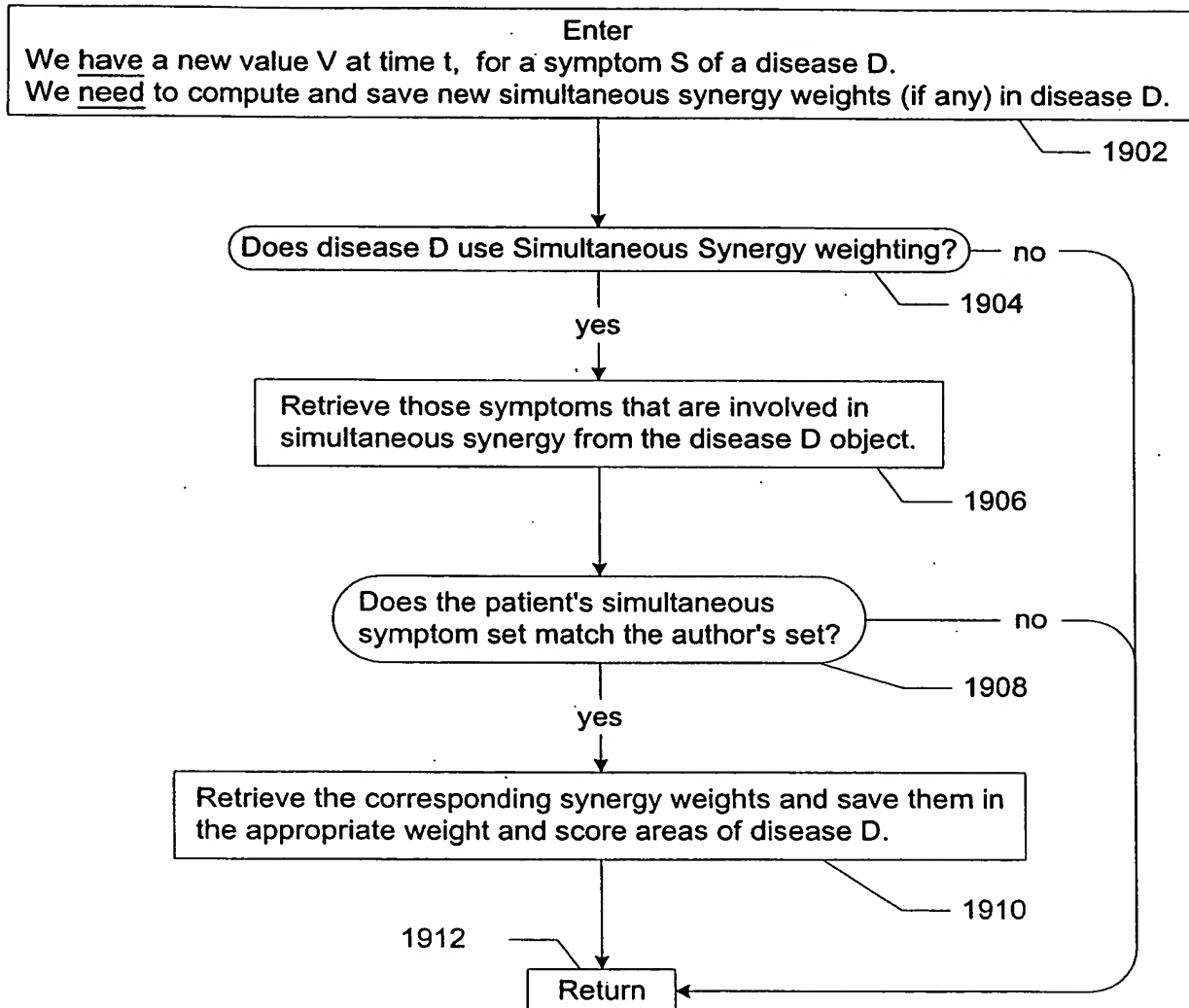


FIG. 19

20/37

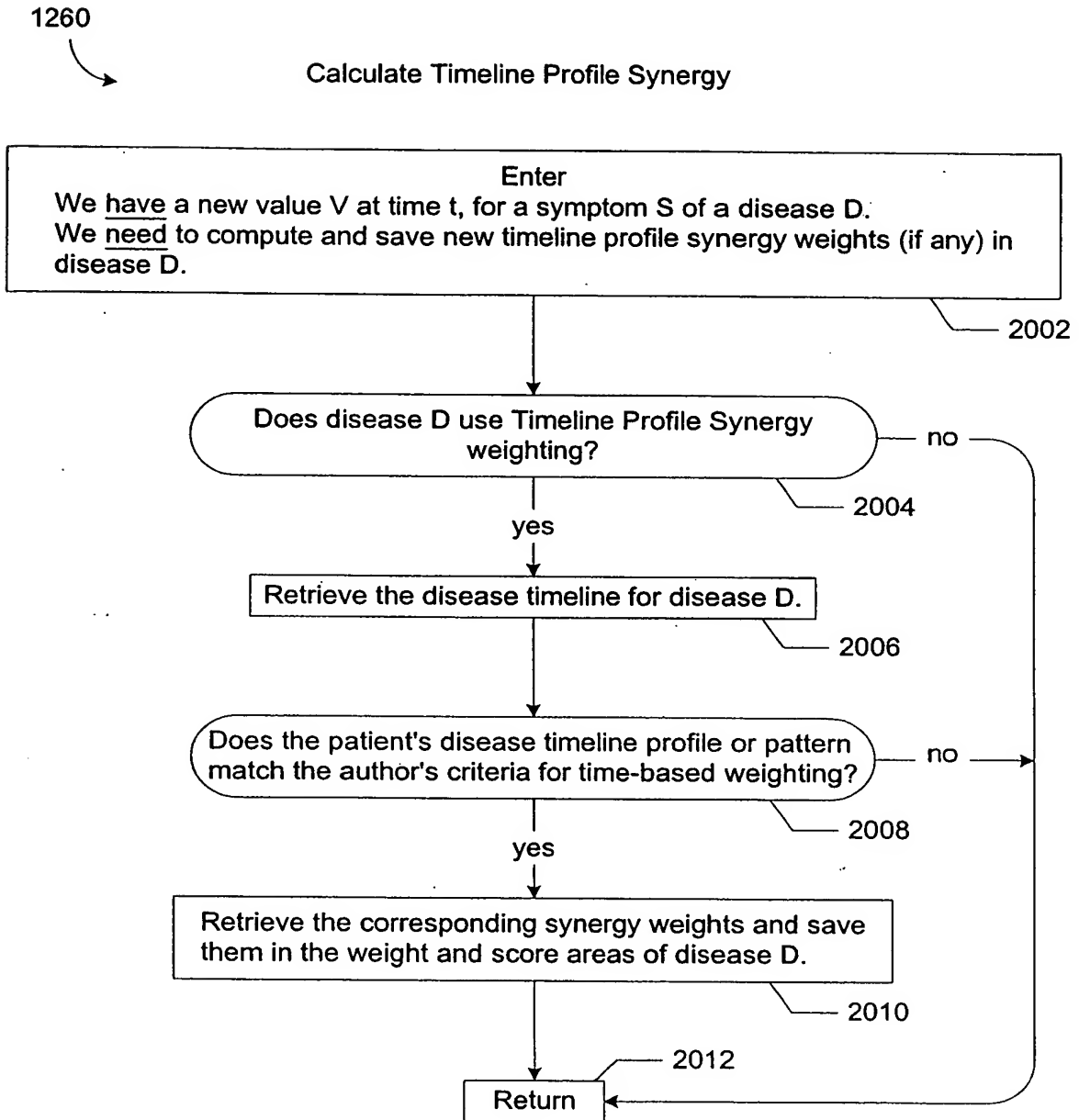


FIG. 20

21/37

160

Update and Record

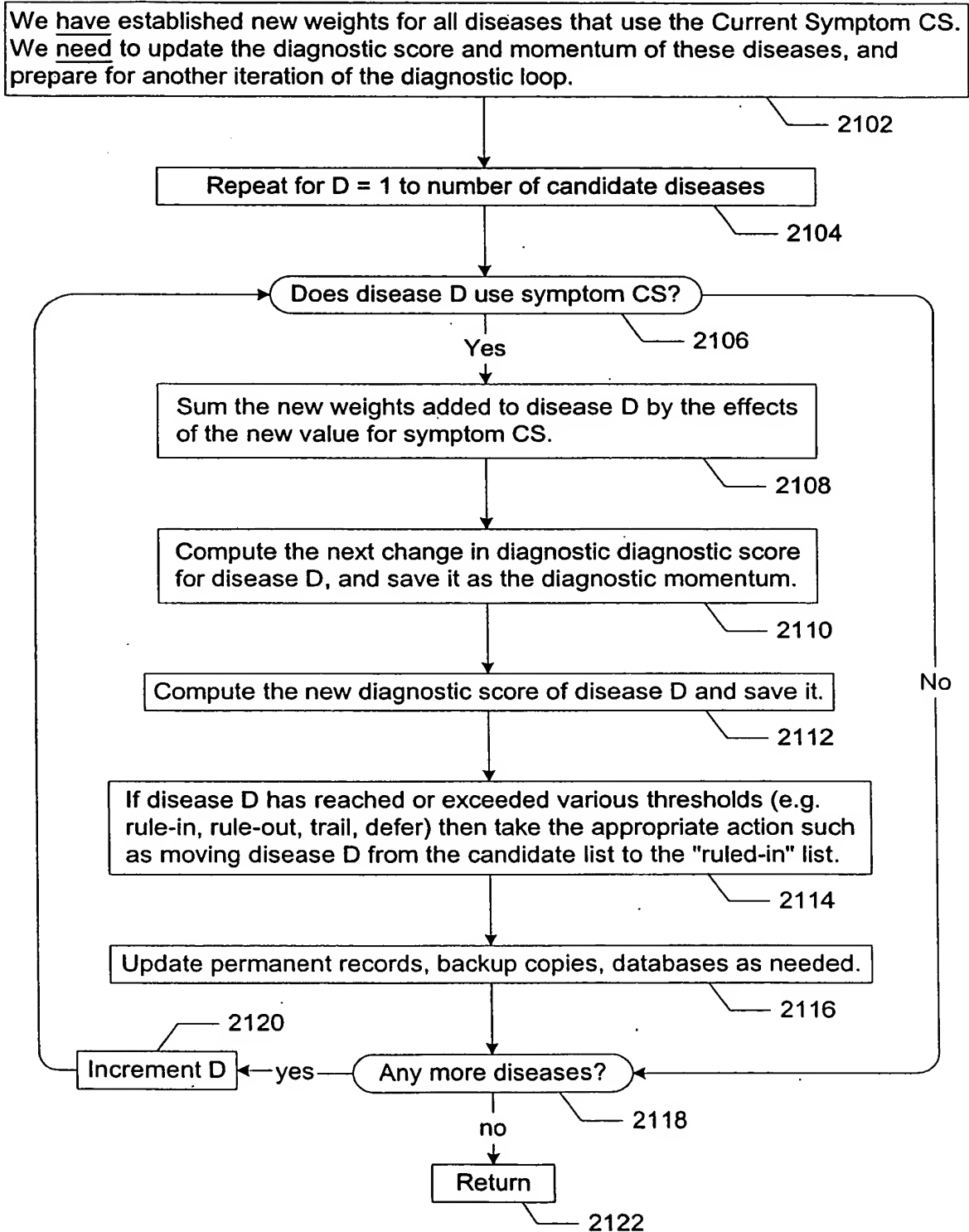


FIG. 21

22/37

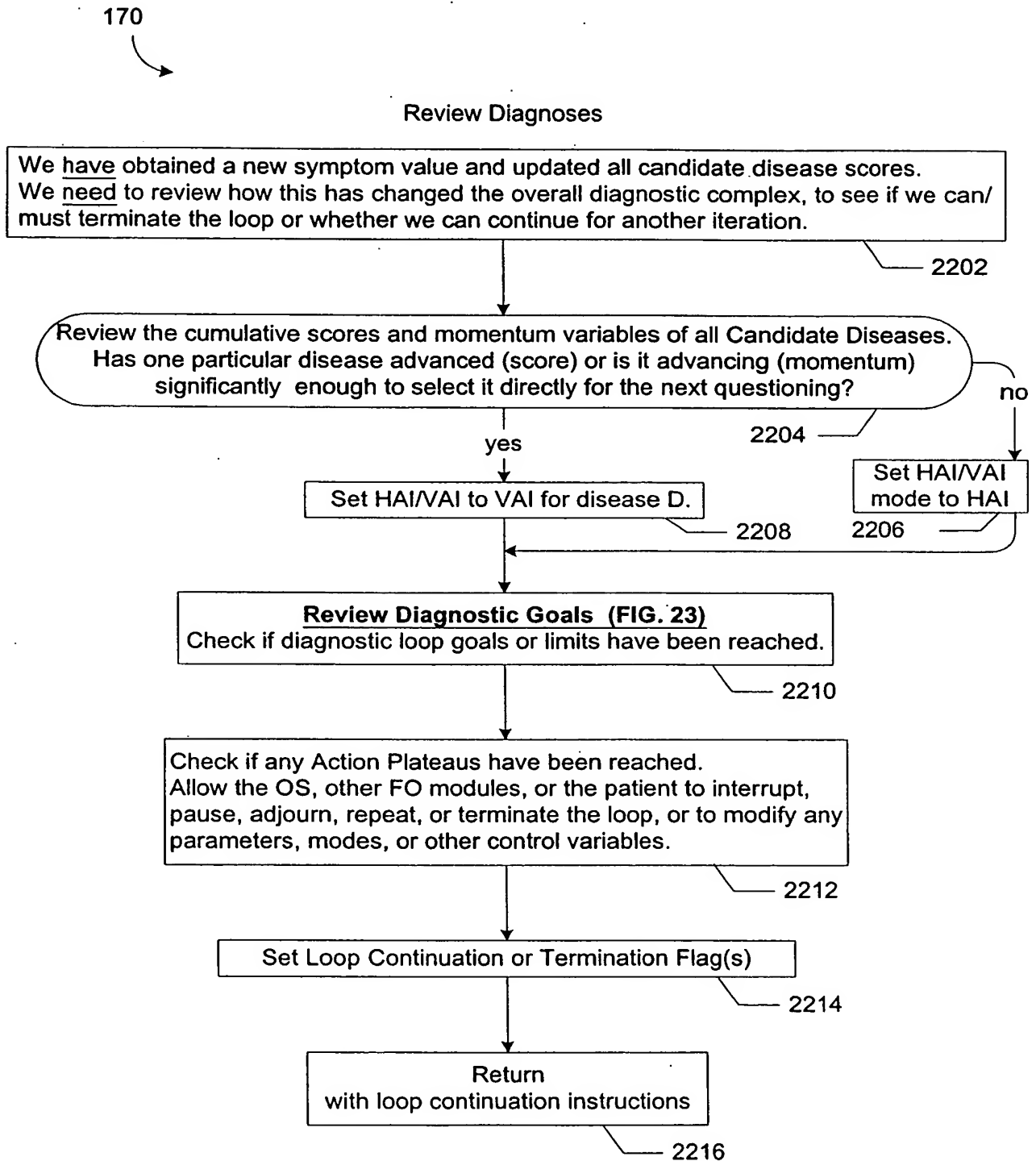


FIG. 22

23/37

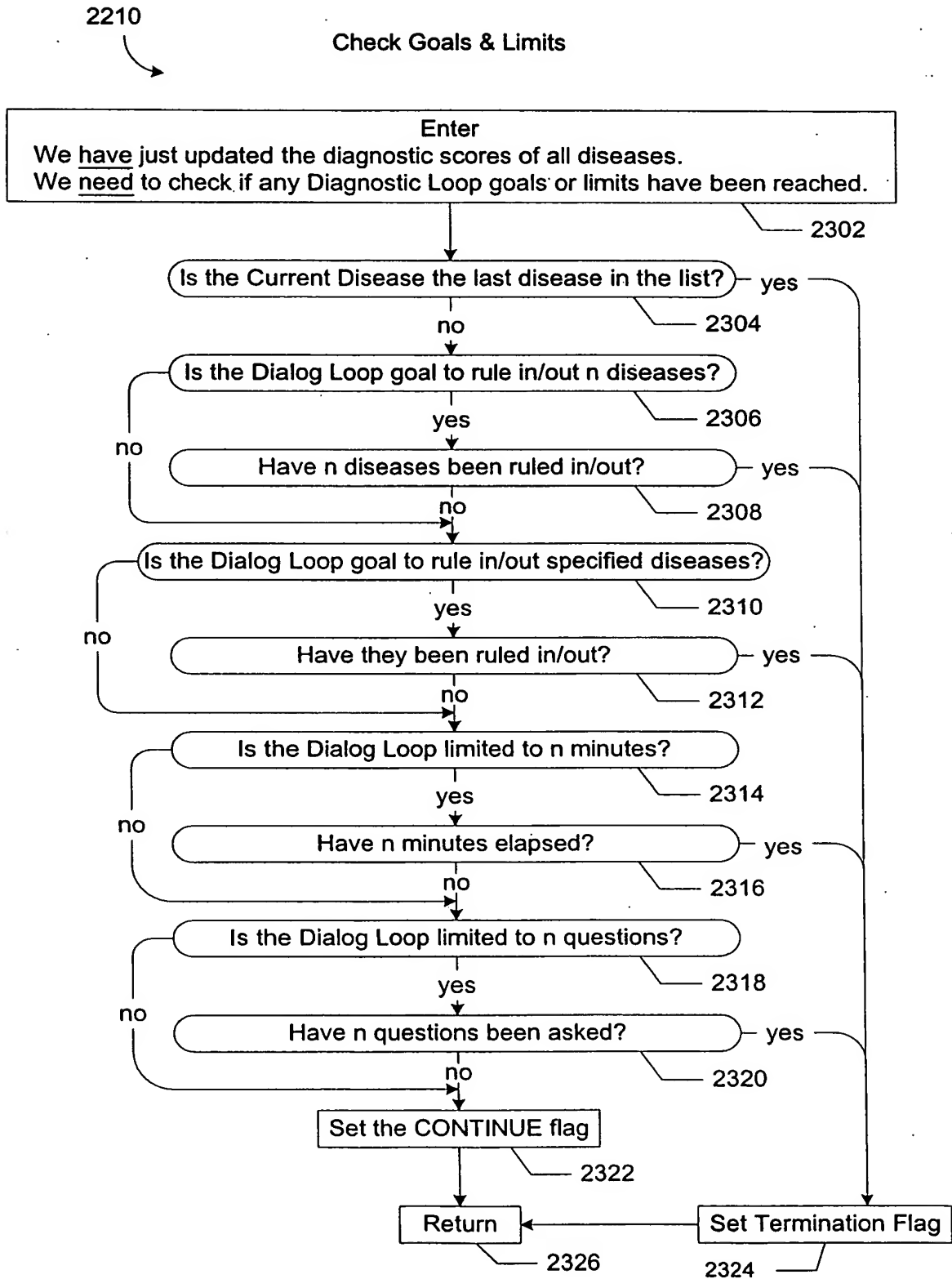


FIG. 23

24/37

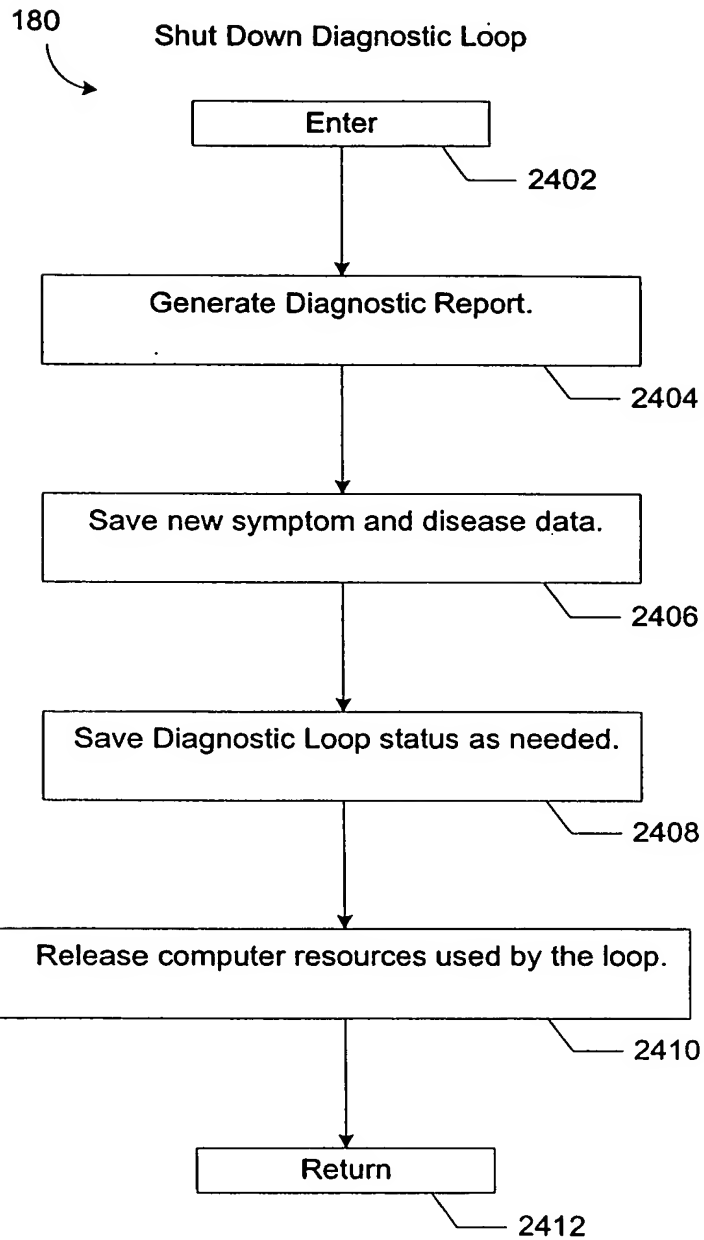


FIG. 24

25/37

Symptom Object - SLOPE Method

2500

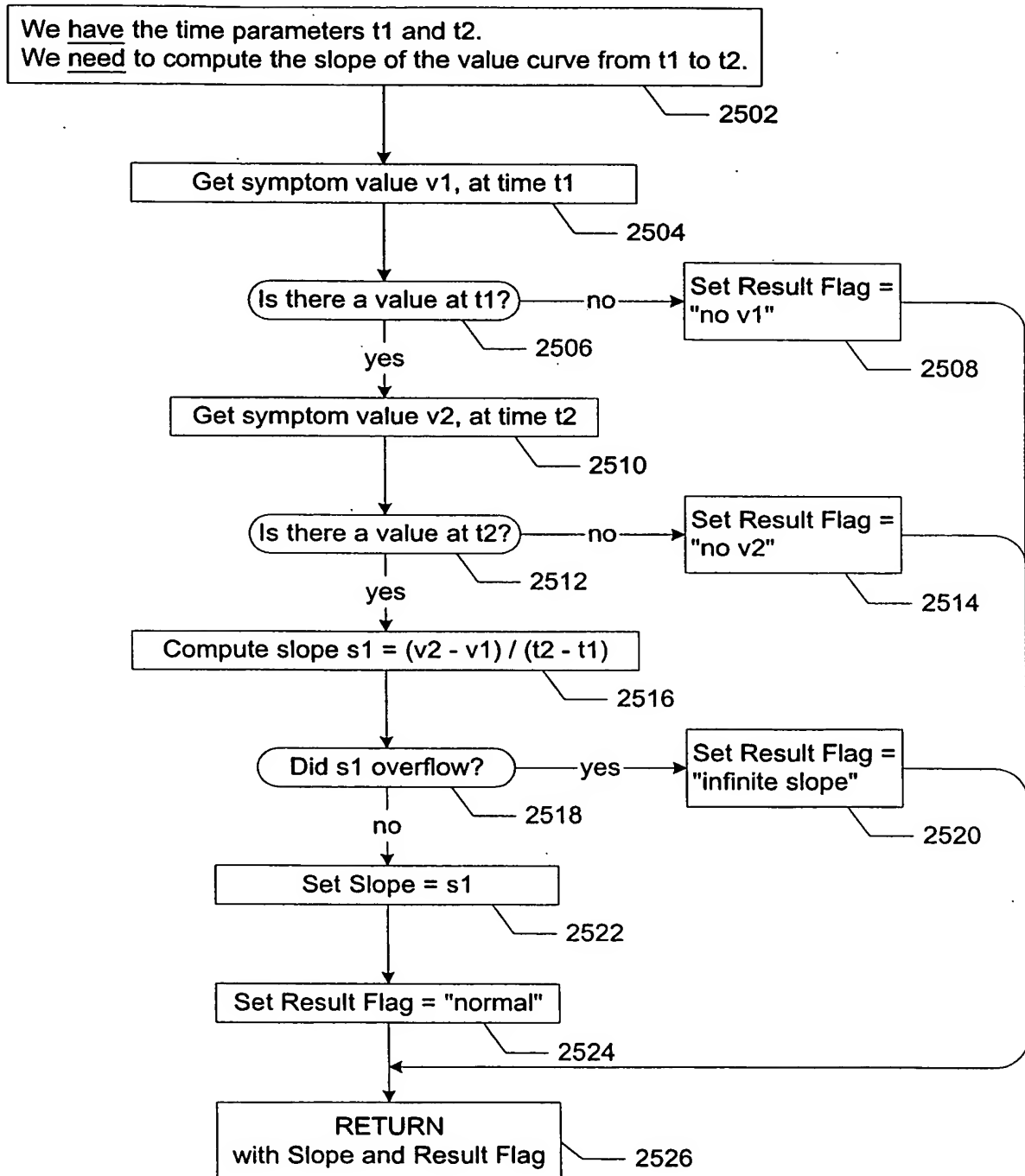


FIG. 25

26/37

Symptom Object - TREND Method

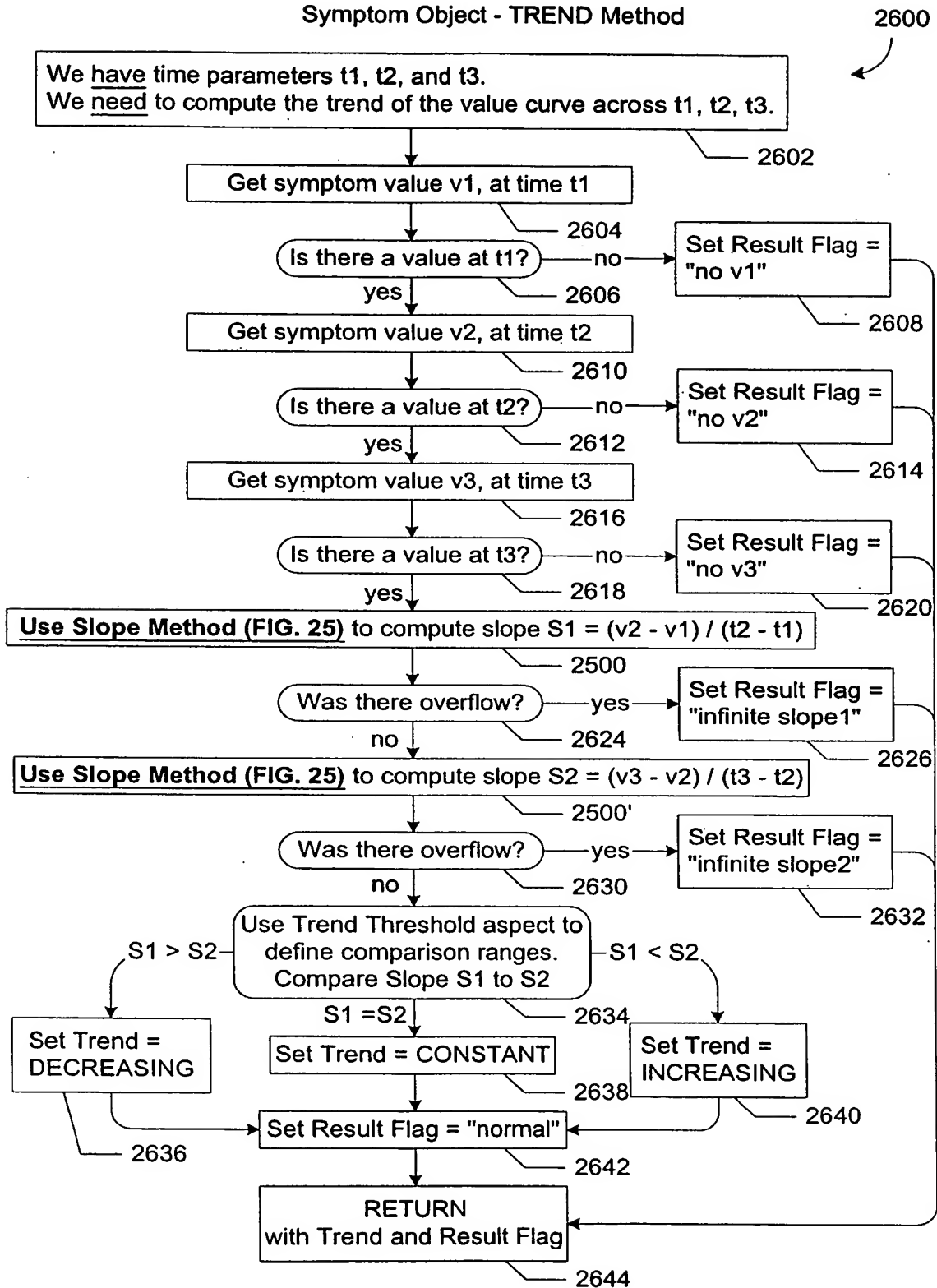


FIG. 26

27/37

2700

2702

2704

2706

2708

2710

HEADACHE DISEASE SYMPTOM MATRIX (DSM)
SHOWING TWO COLUMN SCORING, SYNERGIES, AND
HAI vs. VAI

CONSULTATION BEGINS IN HAI AND ASKS QUESTIONS
HORIZONTALLY, I.E., ACROSS THE ARRAY

HAI MODE>>>

HISTORY OF THE PRESENT ILLNESS
(NOTE: IN HAI, SOME ACTUAL, SOME ALTERNATIVE)

2730

2732

Throbbing pain?

Nausea 1?

Nausea 2?

Nausea 3?

Vomiting?

Unilateral?

Prodromal?

Aura with visual changes?

If you have an aura, is the headache on the opposite side?

Photo phobia?

Homer's syndrome?

Recurrent up to once a month?

Recurrent in clusters?

2734

AT THIS POINT, THE DSM MAY SEE THAT THE SCORE
FOR CLASSIC MIGRAINE IS RAPIDLY ACCUMULATING
AND THE SYSTEM WILL START ASKING QUESTIONS
DOWN THE "ACTUAL" COLUMN FOR CLASSIC MIGRAINE

2740

2742

VAI MODE ~~~~~

Family history of migraine?

Feel "sick" afterwards?

Treated successfully with ergot?

(NOTE: IN VIA ALL CLASSIC MIGRAINE QUESTIONS ARE ACTUAL)

2744

THE PATIENT COULD BE GIVEN THE CHOICE HERE OF GOING
BACK AND RE-ANSWERING ALL OF THE QUESTIONS ABOUT
CLASSIC MIGRAINE SUBSTITUTING THE "ACTUAL" LANGUAGE
FOR THE ALTERNATIVE LANGUAGE. THIS IS NOT RECOMMENDED
BUT IN THIS WAY, NO MATTER WHAT DISEASE THE PATIENT
HAS, IF IT COVERED, THE PATIENT WILL INTERACT WITH A
DIALOG CREATED BY A WORLD CLASS EXPERT.

2746

THE SYNERGY WEIGHTS ARE ADDED BELOW (NOT SHOWN)

Simultaneous Synergies

Sequencing Synergies

Onset - Offset Analysis

Summation Synergies

•

•

•

2750

DIAGNOSTIC SCORE OF BOTH COLUMNS>

2552

DIAGNOSTIC SCORE TOTAL>

DSMhai3.xls

2714

2715

2716

2717

2718

2719

2720

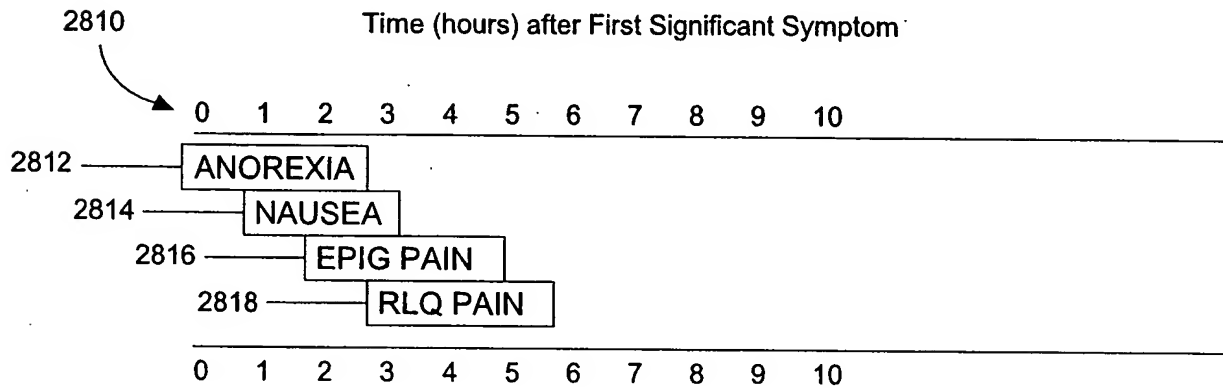
2721

FIG. 27

28/37

2800

This page demonstrates a type of question that lets the patient specify visually when a given set of symptoms occurred. The indicated Onset/Offset times are captured and used to adjust the diagnostic scores.



Use the mouse to slide symptoms left and right to indicate when they occurred

SUBMIT

2820

FIG. 28

29/37

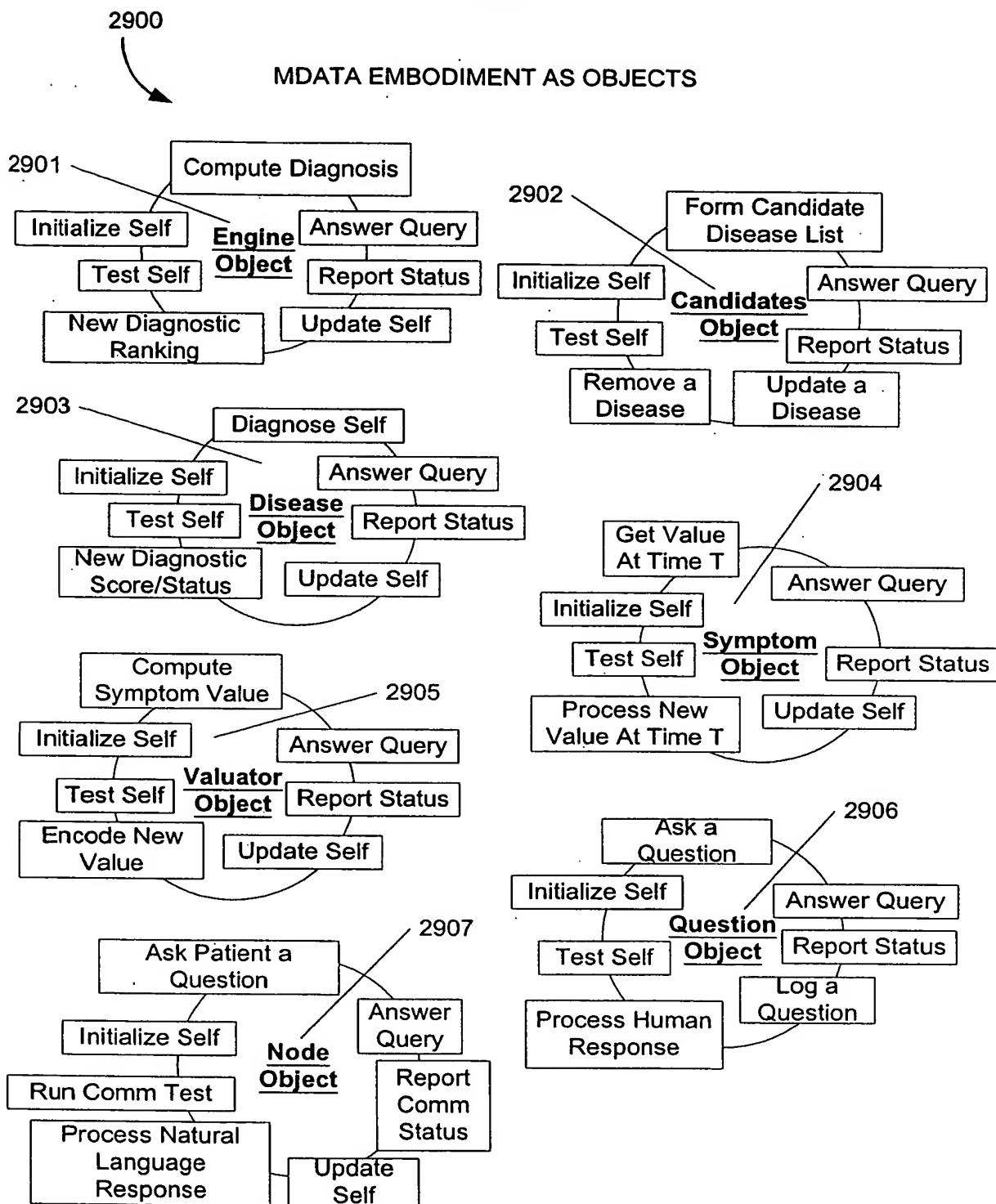


FIG. 29A

30/37

USING OBJECTS FOR DIAGNOSIS

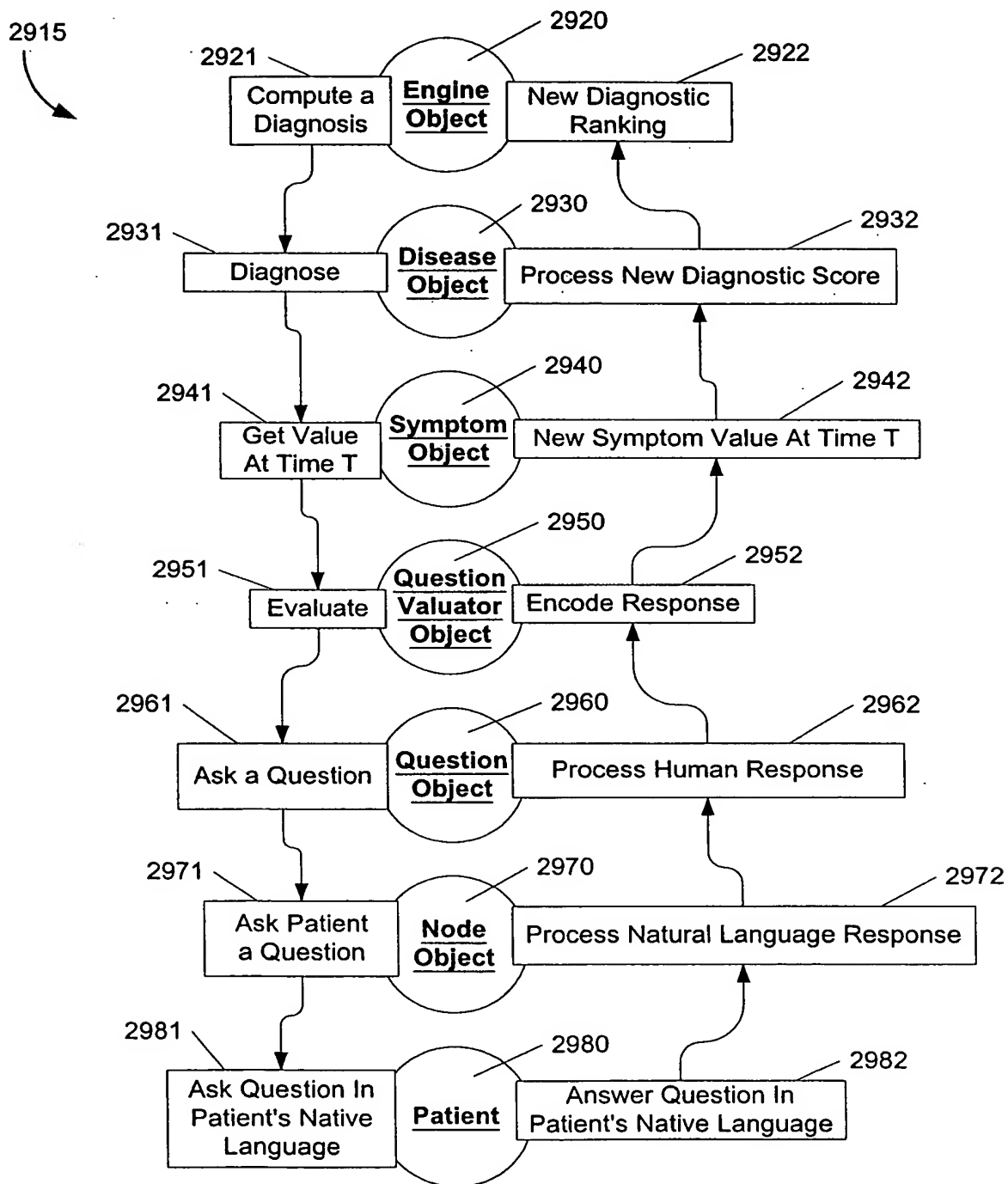
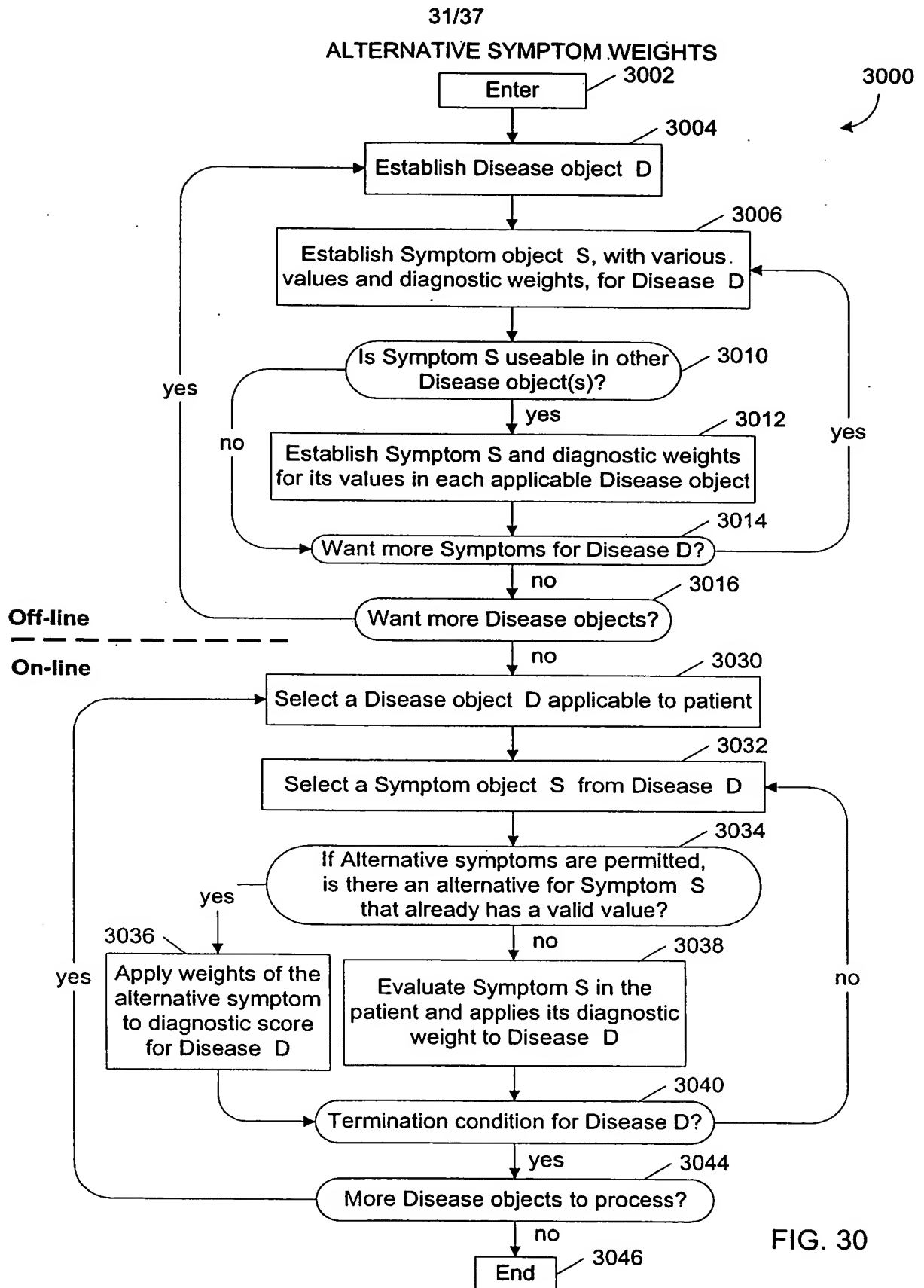


FIG. 29B



32/37

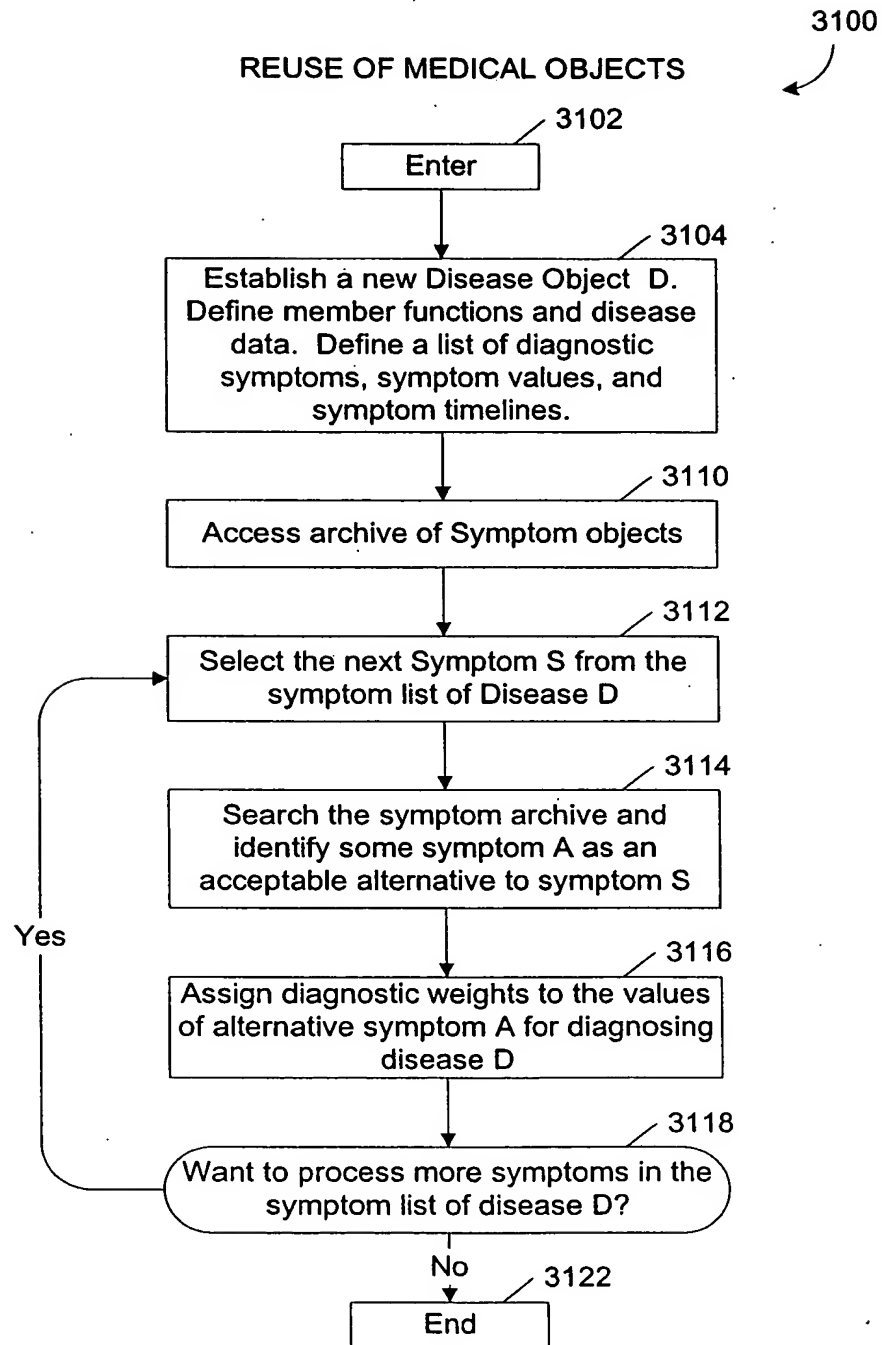


FIG. 31

33/37

SET UP OF SYMPTOM ELEMENTS

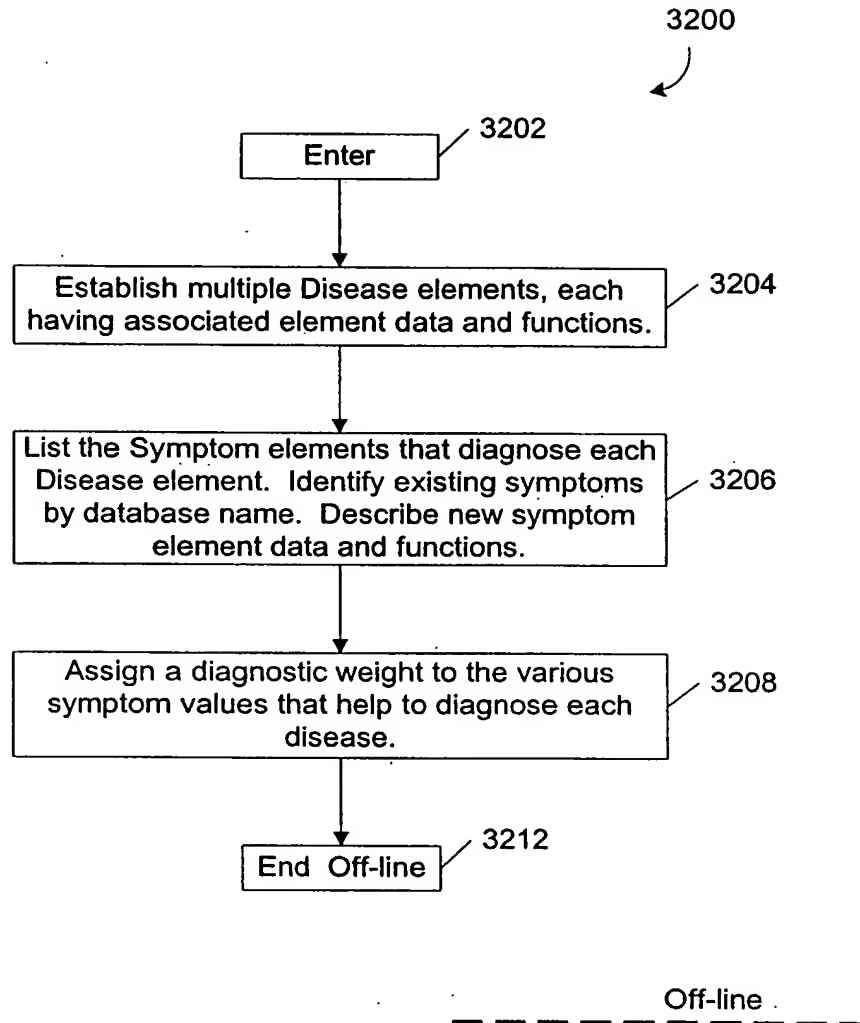


FIG. 32A

34/37

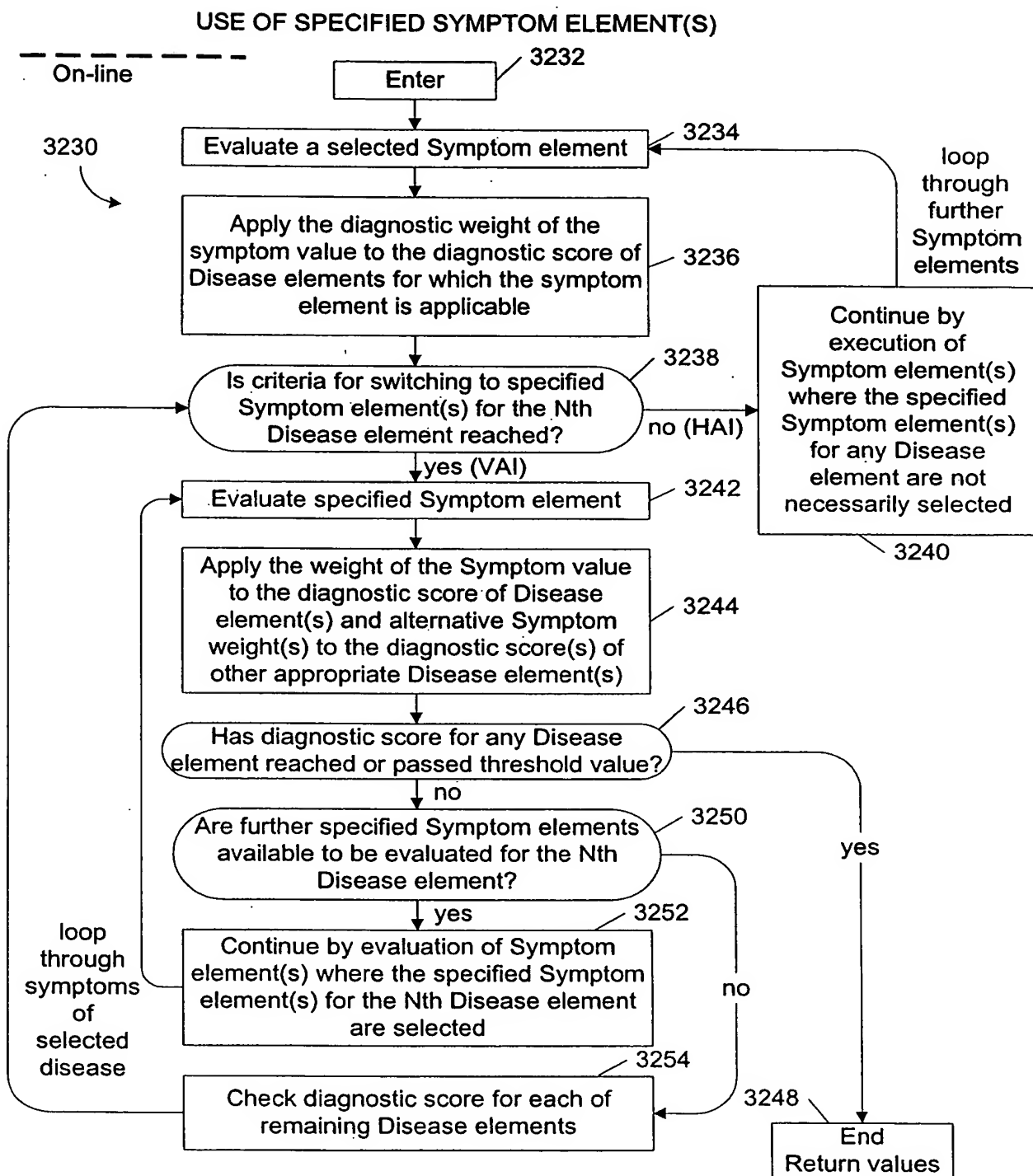


FIG. 32B

35/37

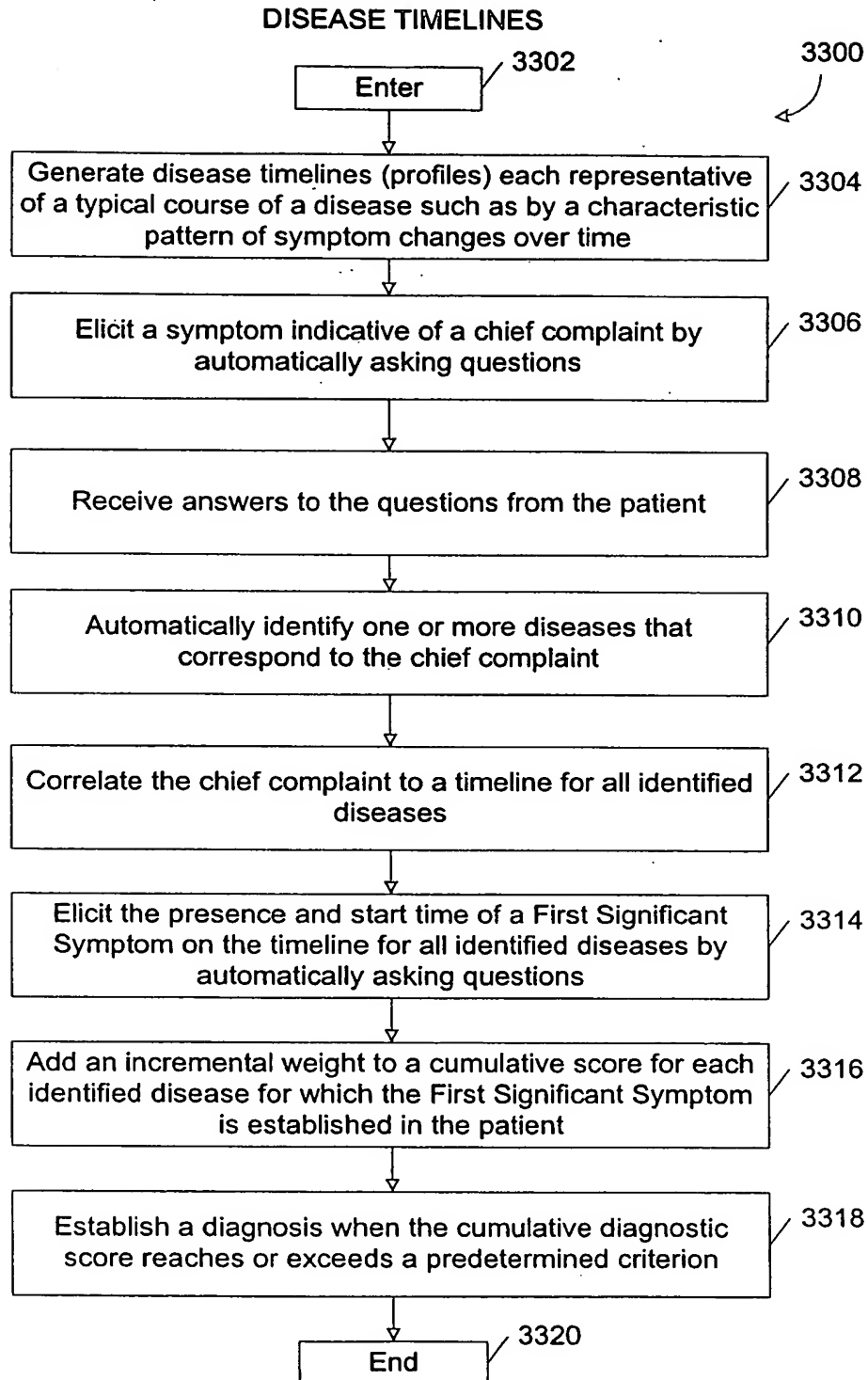


FIG. 33

36/37

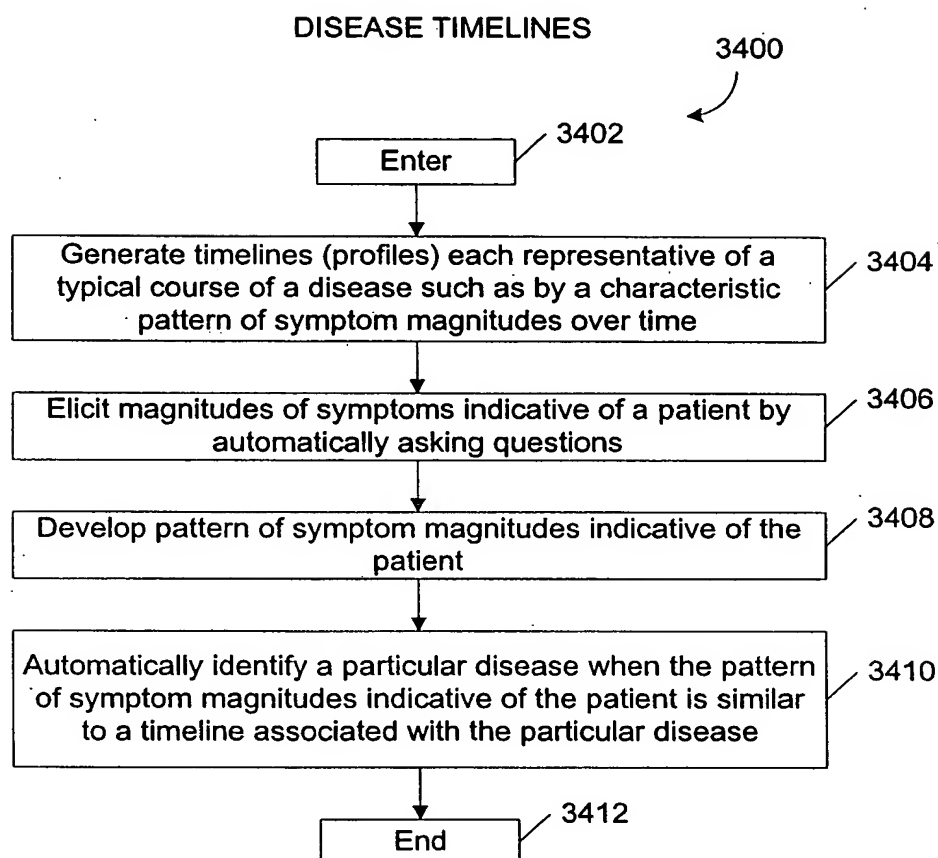


FIG. 34

37/37

